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NEW ENGLAND JOURNAL OF AGRICULTURE.

VOLUME XXXI.—NO. 36. BOSTON, SATURDAY, JUNE 1, 1872. WHOLE NUMBER 1593.

MASSACHUSETTS PLOUGHMAN AND NEW ENGLAND JOURNAL OF AGRICULTURE

Official Organ of the N. E. Agricultural Society

ISSUED WEEKLY AT

51 & 52 North Market Street, Boston.

(Opposite Faneuil Hall.)

GEO. NOTES, Proprietor and Publisher.

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Editorial.

JUNE ON THE FARM.

Work presses now and the hurry admits of no delay. Hoeing must be attended to and the weeds must be kept down, if we would expect any crop. The great trouble arises from our imperfect modes of cultivation. If we always managed so as to prevent the seeds of weeds from getting into the manure heap and into the soil, we should soon have easier work. There is no safety in letting a weed go to seed. The true rule is to nip it in the bud, take it while it is young and get it out root and branch. But so long as we go on letting weeds grow and ripen their seeds among our corn and potatoes, and along the walls, so long shall we have the extra work of cleaning our cultivated crops. The first and most important thing to do, therefore, is to get out the weeds and put them beyond all mischief, that is burn them or otherwise get rid of them so that they will not shed their seeds to give us more trouble next year.

Most of our common weeds are wonderfully prolific. They bear enormous crops of seed and the way in which we leave them does not destroy their germinating power. We pull up a Roman wormwood for instance, and the roots bring up with them a large quantity of the soil attached to them, enough to prevent them from drying wholly, and they are commonly left lying on the surface till the seed is so far matured as to possess the power of germination. If that vile plant were wholly removed from the land, the dirt beaten off and the plant burned, that might be the end of it. But in most cases, we do not take so much pains with it. We leave it half dead, perhaps, or partially covered with earth and it lies there to trouble us and to fill the ground with its seed. So with that troublesome weed, the purslane. How many farmers take any trouble to remove it after it is cut up? In most cases it is left on the surface, and if it has blossomed, the juices contained in the plant are sufficient to preserve its vitality and it will go on and perfect and shed its seed, and the next year it is so plenty that we wonder where it all came from. The only true way is never to leave the purslane on the ground, but to collect all the plants that are dug up and remove them promptly and wholly from the lot. If this course were taken year after year, every time we had occasion to hoe, the land would soon become cleaner and the labor of working it less.

It is a good plan to do all the work that is possible, in the way of cleaning land with the horse hoe or cultivator. If the rows of corn and potatoes, and especially mangolds and other roots, are perfectly straight, it is quite practicable to run the horse hoe between them often, and so keep down a great many weeds that could otherwise get such a start of us as to make it difficult to subdue them. We ought always to lay out our work so as to enable us to economise labor. Horse labor is cheaper than hand labor, and all that we can manage to do well with a horse instead of the hand hoe tends to save expense and time, both very important items on the farm. A great many farmers seem to have a sort of dread of putting the rows of mangolds far enough apart to admit of cultivating with the horse, as if it were a waste of land. There is no more mistaken idea. Most farmers have land enough anyhow, and some have too much, but if it were otherwise, we should remember that land, or rather the interest on the value of land is very small indeed compared with the cost of labor. That is the most serious item, and we want to calculate and lay out our plans to make it go as far as possible and accomplish all it can in a given time. We would for this reason never put the rows of mangolds or Swedes less than twenty-seven inches apart, and we think three feet still more convenient. We ought to fear to waste labor rather than land. But land is not wasted by placing the rows a generous distance apart. It gives room for the air and sunlight to enter and for the fibrous roots to expand and seek their food without crowding each other, and the crop will be all the better for it. We think the mistake of crowding cultivated crops unnecessarily is a very common one. The labor of weeding and cultivating is greatly increased by it, and the crop costs us more than it otherwise would, bushel for bushel, or acre for acre. Had you not better look out and avoid this error when you put in the Swedes?

There is every indication that hay and feeding stuffs of all kinds are going to be high next fall and winter. It is not too late yet to make calculations for it. What can you do now to meet this exigency? One thing is to cut the grass on the poorer parts of the farm, those that have apparently suffered the worst from the droughts of the last two or three summers, and from the open and severe winters that have injured the grass roots in many places, and plough them thoroughly, before the middle of this month and sow them to millet or Hungarian grass. We know of many judicious and thoughtful farmers who are going to do this very thing. And what can you do better? It is just the time to do that. The first crop of grass may seem light, but on many such knolls it will be light anyhow, no matter how long you let it stand, and if you can get a good crop of Hungarian grass in addition to the regular grass crop it will be so much towards helping out the winter supplies. Plough a good depth, harrow carefully with a Shares or a Nishwitz harrow, put on what little manure you can scrape up in the yard or under the barn and harrow it in. If that is not enough, get a little of Ward's special fertilizer for grass, and apply it evenly, then sow not less than half a bushel of Hungarian grass seed to the acre. You can get that fresh and nice of Schlegel, Everett & Co., 16 South Market Street, and probably of other dealers. We think this course is worth trying. At any rate it is worth a careful consideration and now is just the time to think about it. Hungarian grass ought to be cut for hay as soon as the seed is fully formed and before it ripens.

There is another thing you can do. You can still put in a large lot of Swedish turnips or ruta bagas, as they are often called. They will do as late as the twentieth of this month. They will do very fairly on sod land, that is land ploughed up now, or after the first crop of grass has come off, if you cut it early. They will do on light land, but you want to plough deep and mellow the surface. After the sod is deepiy turned, the Shares or the Nishwitz harrow will mellow the soil without breaking or tearing up the turf much, and then a strong application of good superphosphate will give the plants a good start. Andrew H. Ward, of 123 Water Street has got a special fertilizer for this also, as our readers may have noticed among the advertisements of the *Ploughman*, and we think well of it so far. If you can get a heavy crop of Swedes without too much cost per bushel, they will help out the hay amazingly, and we are quite sure that every cow would vote for them, if you would give her a chance. They make the chief bulk of their growth in the fall and can remain in the ground till November.

There is one other thing you can do that is worth considering, and that is to put in a wide breadth of fodder corn to cut and cure in the early part of September. That is a pretty sure thing and everybody knows how to cultivate it, in drills far enough to admit of frequent cultivating with a horse. By arranging to do the larger part of the heavy work with the horse, the cost of the crop is not great. The main difficulty is in curing it properly, but the first half of September is usually hot and if taken then it can be done. Let the ears form on the plants before cutting.

Either of the above methods will give you a great and very important addition to the means of getting stock through next winter. Which of them is the best and most advisable to adopt will depend a little on the land and the circumstances of each farmer, the extent of mangolds he has already put in, and the character and the quality of the feed he is expecting to have from other sources. If in doubt which to choose, you can try a lot of each of the crops named, and we do not think you can go far amiss? and the more of each you put in, and the better care you take of it the more thankful you will be next Thanksgiving time.

HOW ABOUT TALLOW

We should like to know something more about the secrets of tallow, where it all comes from, how it is prepared and what becomes of it all. There are very strange stories that often come to our ears about the use of the hogs that die on the cars in the rough usage to which they are subjected and the crowding from which they suffer, how they are crammed into steam retorts and come out purified and ready to be packed in neat earthen jars and sent off to the grocers all white and nice for sale. All these accounts we are familiar with, but what we want to know is where it all goes to and how is it used? The innumerable applications which we used to make of tallow have largely been superseded by vegetable and many mineral novelties. The old tallow candle has gone out of date, almost. Paraffine wax is not only cheaper but more brilliant and more beautiful, and so are the mineral lamp oils, that have been introduced and used everywhere in place of the old tallow candle, that seems to have gone the way of the old tinder box. The use of it as a lubricant is a high-priced and rather costly luxury, so that the demand for it would seem to have greatly diminished and yet the price keeps up. What in the world becomes of it all? That vast quantities are made in the manner intimated we know very well, unless we are greatly misinformed, but where it all goes to is a serious question. In England vast quantities of this purified fat find their way into Dutch butter tubs, being used, in fact, by way of adulteration. Is it possible that it is used for this purpose here? We should like to know.

THE AGRICULTURAL COLLEGE.

The Trustees of the Massachusetts Agricultural College held an adjourned meeting at the office of C. L. Flint, Secretary of the Corporation, State House, on Wednesday, the 22d, at 11 1-2 o'clock, to hear the Report of the Committee appointed at a previous meeting to confer with President Clark, in reference to withdrawing his resignation. The Committee reported that they had made satisfactory arrangements by which Col. Clark would remain. The report was accepted.

We think this decision quite important to the welfare of the College. Col. Clark has done a great work there. He has been identified with the interests of the institution from the first and it would be a serious loss to have him leave just as it is getting well upon its feet.

THE MONTH OF ROSES.

That practical old fellow, Robert B. Thomas, of almanac fame, says: "I hope you have got through planting. It is getting late for corn and potatoes and most of the main crops, but Hungarian grass can be sown now and the Swedes about the middle of the month. Sow in drills about two feet apart and you can go through them with the horse hoe, and that saves a deal of hand hoeing, you know. Stir the ground about the garden crops, the beets, the early potatoes and the corn if it is smart enough to have got up. Nothing like stirring things up this month. Prop up tomatoes if they are in need of it. Do not those pease need staking? Bean poles ought to be set straight to make a good job of it. Look sharp after the bugs on the young vines, the squashes, the cucumbers and the melons. Sprinkle a little slacked lime over them in the morning or soak a little hen dung in water and so make their breakfast disgusting to them. Scatter some wood ashes about the plants, if you have any to spare. Can you not let the oxen go out to grass now a little while? If you keep them on hay through the heavy work a bite of June grass will do them good. Do not fail to give all your cattle a little salt once or twice a week. A big lump of rock salt is still better."

ARTIFICIAL BUTTER.

The extensive adulterations of butter by the use of various animal fats in Europe, have suggested the idea of the systematic preparation of artificial butter openly and publicly so that everybody may know what they are using. On this point a recent number of *The Grocer* says: "Let any enterprising capitalist connected with the trade commence openly and fairly the manufacture of artificial butter, to be made and sold as such, let him in the first place use materials which will not be offensive either to the imagination or to the palate, such, for example, as clean and wholesome Australian mutton fat. In order to secure the confidence of shop keepers and the public, let him open his works to visitors, and then let him sell his butter under an honest name—and we believe he will be able to overcome all prejudice, and in a short time do a handsome business, with good profits, and have the satisfaction of knowing that he has enabled the poor man and the poor man's child to enjoy a cheap slice of bread and butter, and many other luxuries of which butter forms a part, and also that he has destroyed a nefarious system of false dealing, for there is a certain peculiarity about the artificial butter which will become understood when the trade is familiar with it, and this will finally aid its detection in admixture." The writer says he has tasted purely artificial butter which was really good, sweet and pure.

This is an idea. An artificial butter made of unexceptionable mixtures, might be vastly better and more healthful than the tons of vile and rancid stuff that we see every day in all our large markets. Why won't somebody experiment and study up the subject to see if the thing is not practicable. Anything to improve on our poor butter.

THE DAIRY.

Among the more recent contributions to the dairy literature of the country is the valuable Report of Prof. Goessmann of the Agricultural College. It appears in the Report of the Secretary of the State Board of Agriculture. He begins with

MILK.—The milk of cows is considered, by general consent, the most congenial food for man. Investigations in regard to its proximate constituents and their chemical composition, have taught us, probably more than anything else, what are the requisites of a really good diet. The relative nutritive value of the long list of substances which make up our choice articles of food, has frequently been decided by a comparison of their chemical composition and their physical condition with that of milk. A liberal use of milk promises to benefit both the dealer and the consumer, and deserves hearty encouragement. It is of the utmost importance to obtain it in a pure, normal condition. The main components of milk are partly of an inorganic character. They consist of butter, casein (or cheesestuff), sugar of milk, the phosphates of lime, magnesia and iron, the chlorides of potassium and sodium, besides some soda in combintaion with casein. All these compounds, with the exception of butter, are present in solution; the latter substance is merely suspended in the liquid in countless small globules, and causes the peculiar color and the opacity of the milk. Each fat globule is surrounded by a very thin coating of a nitrogenous substance, which disappears soon after exposure to air at a favorable temperature. A slight alkaline reaction of the fresh, normal milk, causes the solubility of the casein, and the low specific gravity of the suspended fat globules favors their rising to the surface, where they form cream. The milk from a healthy cow always contains all the previously enumerated constituents, yet in a somewhat varying proportion. The quantity of milk which can be obtained from a cow, and also the quality which each individual cow of any particular breed furnishes, depends, as is well-known, on a number of circumstances, the most important of which are, the constitution, the condition, and the age of the animal, the amount and the kind of food, and the time and manner of milking. I do not propose to treat on these important points here in detail, but intend to confine myself to a short discussion on those qualities of milk which affect its commercial value, and to describe a few of the methods for testing it. The constituents of a normal milk have been found to vary, usually, within the following figures:—

Water, - - - - - -	86.0 - - 88.5
Butter, - - - - - -	3.0 - - 4.9
Casein, - - - - - -	3.0 - - 4.9
Sugar, - - - - - -	3.4 - - 5.2
Saline compounds, - -	0.6 - - 0.8
	100 100

Its solid matter has been noticed to vary in extreme cases, even from 11.0 to 16.8 per cent., and its specific gravity from 1.026 to 1.034 at 60 deg. F., taking water of that temperature equal to 1.0. As the presence of butter has a tendency to lower the specific gravity, and the presence of casein, sugar and saline matter, reacts in the opposite direction, and as all these various constituents are liable to vary in percentage, it is plain that no reliable deduction can be drawn in regard to the total amount of solid matter in milk, from a mere test of its specific gravity. Skimmed milk of a high specific gravity—1.0338 to 1.0347—contains ordinarily but from 10 to 11.1 per cent. of solid matter, while a milk unusually rich in cream of a specific gravity equal to 1.026, has been shown to contain not less than 16.8 per cent. of solid matter. A common, good, unadulterated milk has a specific gravity from 1.029 to 1.033, and contains from 11 to 14 per cent. of solid matter. These facts in regard to the composition of milk render it certain that the common practice of deciding the question, *what is genuine* milk, and what is *watered* milk?" is opened to serious objection, unless supported by a supplementary test, since it is liable to awaken an unjust suspicion of fraudulent practices on the part of the dealer, while it does not efficiently protect the consumer against serious imposition. To protect the dealer against unjust accusations of dishonesty, the scale of specific gravity had to be lowered to a degree (1.026) which would leave it possible for him to add at least one-fourth of water to an ordinarily good milk, without rendering himself open to the suspicion of fraud. There is little reason with us to fear the adulteration of milk with chalk, flour, starch, sheep's brains, and other auxiliaries and abominations, of which our books tell us, as long as water will answer all practical purposes; since it is abundant, and upon which 100 degrees refers to a specific gravity of skimmed milk under ordinary circumstances. From the fact that the specific gravity of good milk, after being *raised* by *skimming*, may be *restored* by the *addition of a certain amount of water*, it is obvious that the principle which underlies the application of hydrometers is here of little value. To supplement the preceding mode of examination, optical tests have been proposed. Donne's and Vogel's lactoscope are designed for that purpose; and are based upon the assumption that the more concentrated a milk is the thinner the stratum through which light will pass. A scale is connected with the instrument to determine the difference between good milk, and water, and mixtures of both. Unfortunately the fat globules which mainly cause the purity of milk vary in percentage, even in a pure article, so much that very little information can be deduced from these indications beyond the question concerning the amount of butter present. Examinations with the microscope are very instructive, yet they require the hands of experts. Quite satisfactory results may be obtained by first ascertaining the specific gravity of milk, and the subsequent measuring of the amount of cream which separates from a given quantity of it at a certain temperature in a given time; in other words, test the milk in its fresh condition, and again after the cream has been separated by means of any good aerometer, and notice the amount of cream that has been formed. Proskauer's aerometer is constructed with regard to these points; a scale based on actual observation increases its usefulness. Whenever time and circumstances permit, it is advisable to ascertain the specific gravity of the milk, and determine its solid matter by weight, after careful evaporation to dryness. Our exact modes for scientific purposes are unobjectionable, yet they require more time than will usually be allowed for more commercial inquiries.

SUGAR BEETS.

During the last six months the subject of cultivating roots for stock feeding has been talked about more than usual by farmers all through the northern and middle States. This may be accounted for in a measure by protracted drought of last year, cutting short the hay crop one-half at least, so that when the weather in the fall was favorable farmers found themselves with a short supply of winter food for their cattle. In a number of instances farmers sold off a part of their stock in the fall at low prices sooner than run the risk of wintering a full herd on a short allowance of food.

Without knowing anything of the cause, the fact that the hay crop was a short one may soon be got at by looking at the market reports in the different eastern cities, and, when the quotations for Timothy are from $35 to $40 a ton, it will require no prophet to tell us that the hay crop of 1871 was a very short one. Now the fact of the drought of last summer affords no guarantee whatever, but the same cause may affect the crop next season as well; and those who look at the matter in this light are not likely to suffer themselves to be found napping the next year. One practical lesson of this kind, cutting off a large share of the profits of the year's labor, usually has a salutary effect on the shrewd American farmer.

VARIETIES.—The best farmers, both in England and this country have always placed a high value on the beet as an important article of food both for young stock and milch cows. Among the kinds that have been grown extensively for this purpose may be named the red and yellow mangel wurzel and white sugar. Although the last named kind does not yield anything like as many bushels per acre as the former, still the white sugar has seemed to be more valuable for feeding purposes than either of the other sorts, and for this reason more of the white sugar has been raised under field culture.

SOIL.—Beets, like all other kinds of roots, can be raised on any character of soil, from a stiff, heavy clay down to a blowing sand, if such character of soil is in good heart. But when we calculate the expense of growing a crop with a desire to raise the larger number of bushels from a given space, at the lowest cost per bushel, then it will make a great difference in the expense whether the soil is heavy clay or a sandy loam. All other things being equal, the latter kind of soil will produce the largest yield at the lowest expense for labor in cultivation, and where a farmer has a choice, he should select a sandy loam in preference to a clay soil to plant beets upon. The expense for labor in growing an acre of roots has always acted as a check on their more general cultivation, but it never should be in sight of that thorough preparation of the soil before planting the seed is the first economical step to be taken in raising roots as a field crop. Fall ploughing, throwing the land into narrow ridges, we have always relied upon as one of the best methods of getting the soil in the finest mechanical condition. The alternate freezing and thawing during the winter months leaves the soil by spring loose and mellow, and easily prepared for sowing. Where circumstances prevented fall ploughing, then in April. When the ground is chosen for beets, plough twice by all means. The first ploughing may be done as early in April as the weather will permit. This should be done lengthwise of the field in "lands" of twenty feet wide. These "lands" should then be harrowed down, giving three or four scrapes, so that the surface will be made fine, breaking up every lump, leaving the surface mellow. Before ploughing the second time, a dressing of say twenty-two horse loads of well rotted barnyard manure may be spread evenly on the surface, and where cross ploughing covered in. When the manure is on hand it is more economical to plough it in during the fall than at the spring ploughing. We have found that fifteen loads turned under in this way in the fall will produce as large a crop of beets as twenty will if put on in the spring especially if the manure is not thoroughly rotted. In case special fertilizers are to be used, then they should be scattered broadcast on the surface just before the last harrowing, so as to be well mixed in with the surface soil. With bone dust, superphosphate, and fish guano, they should always be mixed with twice their bulk of soil before spreading them on the surface, or, in fact, applying these fertilizers to any crop.

THE CORRECT WEIGHT OF MILK.

Mr. Gail Borden, of White Plains, N. Y., who conducts an establishment for preparing condensed milk, has been making some experiments for the purpose of determining the correct weight of crude milk. He took the milk of several cows and mingling it together and then thoroughly cooling it, he carried it directly to the "U. S. Sealer of Weights and Measures," who measured and weighed the milk by accurate Government weights and measures. The result was that a quart of milk, so measured and weighed on delicate scales, was equal to two pounds, two ounces, and one quarter of an ounce (2 lbs. 2 1-4 ounces). The tests were made with different samples of milk at different times, but without materially altering the weight. Mr. Borden has adopted the above as a true weight of a quart of milk having a fair average quality. Hence, any person who buys milk may determine by weight, with satisfactory accuracy, whether he receives a quart when he is required to pay for that quantity.

SCURVY HEAD AND BEAK.—This is another of those diseases to which fowls are liable in early spring. Birds so affected, either old or young, should be at once removed to warm dry quarters, and the head, beak and neck rubbed thoroughly once or twice a day with a compound of sulphur ointment. The beak should be washed and thoroughly scraped before applying the ointment; unless the beak is badly affected do not use the ointment as frequently as for the head, and scraping dispensed with. In following these directions for a week or ten days not a vestige of the disease will remain.

Questions & Answers.

A TROUBLESOME INSECT.

Editor Massachusetts Ploughman:

We are very much troubled with a very small red spider (or insect) that crawls through the doors and windows of our house and all over the house, making a great amount of work and trouble and being a great annoyance every way.

If you or any of the correspondents of the *Ploughman* can inform us of any way to get clear of them you will confer a great favor on a

SUBSCRIBER OF 28 YEARS.

North Bridgewater, Mass., May 20, 1872.

The insect described by our correspondent is undoubtedly an *acarus*, belonging to the great family *Acaridae*. We can hardly advise him as to means of destroying the pests. In allied species which are parasites upon animals, sulphur in various forms is efficacious.

Probably a wash of a solution of sulphur on the woodwork of the doors and sashes would help to keep out the insects, and an application of dry flour of sulphur in the cracks and crevices of the walls and floor will in a great measure keep them subdued. —(Ed.

Correspondence.

ROADSIDE HEDGES.

Editor Massachusetts Ploughman.

Is there any effective word of remonstrance you can utter to prevent a sad habit prevailing throughout our country towns? The farmers call it "cutting bushes," or "clearing up," and it consists in ruthlessly hacking away all the pleasant green growth of the roadside, leaving it to wither and redden in the sun during the summer. Sometimes the ground is burned over to add to the desolation. If one asks "Why?" the answer may be, "It spoils the grass." But we see the same process on wooded roads, where the scythe is never used. "The road is too narrow, you can't pass a load of hay," may be another defence.

That "load of hay," is constantly held up as a terror. I have long since ceased to tremble at the idea, having driven through all sorts of by-paths for forty years, and never yet have found the place, where, with mutual accommodation, two teams could not pass.

But aside from this, the "bush-cutting" operation is perpetrated on roads wide enough for three loads of hay to stand abreast.

Now what can be said to persuade our dear friends, the farmers, that God's work is better than man's destruction. Cannot they be persuaded to pause just as the hatchet is at the root, and examine the beautiful life they are taking? the delicate green, unfolding at the end of each little twig, oftentimes a pretty flowering shrub, like the wild cherry, or graceful clinging vines, like the clematis, and woodbine? surely, these are more beautiful than barren stone walls, or dead, ragged brush-wood.

Would that all our people could see and admire the wild hedgerows of Old England, cherished so carefully that the whole country resembles a continuous garden. A road is seldom laid out there without turfing the bank and planting a hedge. Our native shrubs, even including the much despised though graceful and delicate birch, form just as pretty hedgerows if they are only left to their own growth.

Do, dear Mr. Editor, exert your "power of the press," to preserve the beauty of our country towns, and relieve and oblige

AN ANXIOUS OBSERVER.

PLANTING POTATOES.

Editor Massachusetts Ploughman:

I see it strongly recommended in the last *Ploughman* to plant potatoes early. To insure a large crop it may be preferable, but to insure a good table potato for late winter and spring use I have my doubts. I wish you or some one "who knows about farming" would tell us why second crop, or very late planted potatoes, are good and mealy this time of the year, while early planted are hardly fit to eat, as all know who have had to purchase their eating potatoes in Boston markets this spring. I now have potatoes up and large enough to hoe for early use. I have prepared a piece of land which I shall plant the last of June for my winter and spring potatoes.

Some say the Early Rose is not a good winter and spring potato. Planted late they would be as good as the best for spring eating, but they are an early potato; planted early they get ripe in the heat of the summer; lying in the hot ground after ripe destroys the starch in the potato; planted late so as to ripen in the fall, they are now as good as any potato can be.

Yours truly,

CAPT. JOHN T. COBB.

Ipswich, Mass., May 20, 1872.

A NEW WATER CONDUCTOR.

Editor Massachusetts Ploughman:

"What to use for water pipes," in *Ploughman* for May 10, from *Dr. Nichols' Fireside Science*, brought to mind a Vermont invention for this purpose.

This is the invention of John W. Brown of Milton, Vt., and was patented Jan. 2, 1872. It is constructed of earth and cement, and among the advantages claimed for this conductor, are cheapness, durability, freedom from poisons and impurities, and simplicity of construction.

It is made by taking "horse-shoe" tile, of the proper size, inverting it, and placing inside the round, or "pipe tile." These last are placed in the first so as to break joints, and firmly imbedded therein with cement. Where the work is properly done, there is no danger of leakage, and when hardened the cement will be of the consistence of stone.

This conductor can be manufactured of any size desired, and we can see no reason why it should not answer all the advantages claimed for it by the inventor.

Of course it could be put down anywhere that drain tile can, and would be subject to the same conditions, so far as relates to frost, etc.

Wooden pump logs are commonly used in this section of country, but the material is getting somewhat scarce, and there is often considerable difficulty experienced from leaking, and the logs otherwise getting out of order.

We have another Vermont invention, also, for this purpose. It is "Moulton's Water Tubing," and is manufactured by Moulton Brothers & Co., of Morrisville, Vt. This is made of kiln dried spruce lumber, ingeniously fitted together, wound with copper wire, and thoroughly saturated with coal tar. These tubes which are a rod in length, fit into cast iron sockets, tightly, and are easily put in place. They are not affected by frost, that is, they will not leak from this cause, and are found thus far, to be very durable, remaining sound in soils where the common pump logs would soon rot and become useless.

E. R. TOWLE.

West Berkshire, Vt.

NOTES ON THE STRAWBERRY.

NUMBER IV.

We often see new varieties of strawberries brought out that prove worthless for general culture, the Jucunda, for instance, under the name of No. 700. It was disseminated through the mail to every part of our country, but I never heard of any seedling numbering less or more than 700 to be sent out or advertised.

No. 700 was the strawberry for the million; so it proved as far as sending for plants to the originator.

I do not dispute but that Mr. Knox (the originator) did grow the Jucunda to perfection, but I doubt if any other man in this country possessed such a lot of land.

In the first place, his land was a coal measure that had been mined, leaving it subterranean drained, and then it is tile drained every twenty feet, and stuffed with manure. A strong clay soil with such treatment will push almost any desired crop.

I never questioned his crops. He grew them in stools about ten thousand to the acre, tending with the hoe, each plant receiving as much care as is usually given to a cabbage, growing them between his grape vines, which perhaps might have prevented them from sun scorching.

With the fruit growers the berry has been a failure. Some fifteen years ago Dr. Stoddard, of Albany had a new seedling sprung up in his garden, of the Alpine variety; it bore such abundant crops that his neighbors advised him to put them upon the market, because it was so productive and hardy.

He was a man of the strictest integrity, and after his plants were put out they proved worthless, with all, and the horticultural journals condemned it as a sell. He laid the matter before the leading horticulturists of Albany, why the plant should do so well with him, as they saw, and should fail with others,

The first question asked him was, what kind of soil his garden possessed; his answer was, no *particular* soil, he bought it where he could by the load, gravel, loam soil, in fact anything that would fill his lot nine feet.

Their curiosity prompted them to dig; they did dig and traced the roots of his plants seven feet deep, and doubtless they lost the trace two feet, giving those plants nine feet of pabulum, just suited to their wants.

The Doctor was exonerated from all blame in his transaction.

So in many cases of prodigies, they are only so from surrounding circumstances, not from any inherent properties they possess; but still we should strive to get better varieties of fruit; progress is and should ever be our motto.

Every new variety will receive all its merits from the public. I can't believe any fruit grower ever palmed off on the public any plant that he thought worthless; they will do something under favorable circumstances, and often be prodigies in their first development, because no man of sense can be oblivious to the fact that his plants will show their habits in the hands of his patrons.

J. S. NEEDHAM.

POTASH ON FRUIT TREES.

Dr. George B. Wood, in a late communication to the American Philosophical Society, in Philadelphia, presented the result of certain experiments made by him upon the effects of salts of potassa, when applied to grain or fruit producing soils. In his view, the depreciation of the productiveness of apple, peach and quince orchards is due to the exhaustion of potash from the soil. Several such orchards, formerly very valuable, but which had within a few years ceased to bear much fruit, on being treated with an application of wood ashes to the roots of the trees, were completely revived, producing full crops the following year. A still more striking effect was seen the second year, under a renewal of the application. He cited several other instances where the same results followed; in one case where an apple orchard, planted on an old orchard's site, which had never borne fruit, was made to produce a good crop by the application of ashes. Those who have failing orchards and fruit trees that have quit bearing, should put ashes around the roots of their trees, which proves a sure remedy.

SOWING GRASS ALONE.

A writer in the *Rural New Yorker* says—"Now, I do not believe in any of this old-time nonsense of sowing grass seed or clover with oats, rye or wheat, just because somebody has said it was the best way. If a man wants a field seeded with Timothy, sow that and nothing else; and the same with any other kind of grass, or even clover, for any of them will grow far better alone than when crowded, shaded, or the soil about the roots robbed of its moisture by some coarse, rank-growing grain. Of course on rich moist soils, a man may seed down with grain and thereby save one season; but it is poor policy to follow this system on old, nearly worn out soils, even if our fathers and grandfathers "always did so." Then, again, it is folly to mix clover and Timothy together in the same field, for they are never both in proper condition for cutting at the same time, and a little musty, over-ripe clover, mixed in with the hay, adds nothing to its value. By keeping both separate each can be cut when in the best condition for hay, and this rule will hold good with all kinds of forage plants.

TOP DRESSING GRASS. Prof. Beal, of the Michigan Agricultural College, gives the following results of top dressing grass land, performed some years ago at that college. Such experiments are worth repeating, and will doubtless give varying amounts of increase, with soils, seasons and other influences. Soil sandy loam, not in a high state of cultivation, nor very strong land:

2 bushels plaster to the acre caused a gain of hay of	64 per ct.
5 bushels of ashes	38 "
20 loads fine muck	51 "
20 loads fine muck, 2 to 3 bushels salt	81 "
3 bushels salt	90 "
20 loads horse manure	117 "
20 loads cow manure	97 "

COVERING MANURE.

It is remarkable that more attention is not given to the subject of covering manure from the weather, and especially from too much rain. Those who have given the matter particular attention have found that manure so protected is worth double that which is left out in the open air. Two loads for one is a profit few farmers can afford to lose. There is no question which so vitally concerns the farmer as this one of manure. Much that he does has reference to it. Straw is not to be sold because it makes manure. Stock is fed through the winter for the express purpose of manure making. Articles which scarcely pay to send to market, are nevertheless taken to the city in order that manure may be brought back as a return load; and yet the whole of the manure made, remains all the season exposed to the sun, wind, and rain, until it is diminished in value to so great an extent as it is. The trouble is that few really believe that exposed manures undergo this loss. But the matter has been too thoroughly tested to admit of a doubt. We know first class farmers who did not themselves believe it, until by actual experiment they found out its truth.

In arranging farm buildings it will pay well to look as much to the preservation of the manure as of the hay or grain; and those who have their buildings already finished without these manurial arrangements will find that $25 or $30 spent on boards for a shed will rank among the best investments ever made.—*Germantown Telegraph.*

APPLYING MANURE.

A correspondent of the *Rural Home*, writes: If the farmer has manure made, or kept through the summer, it will become fermented; it cannot be avoided in the warm season. Such manure is best applied on the surface, and worked in with the harrow; and if applied to winter wheat, there is perhaps no better mode, as it has the mechanical effect of keeping the surface loose to resist the frosts of winter, as well as the stimulating effect of producing an early growth of the crop. But in the use of green manures in spring for summer crops, experience has convinced me that to plough under, and allow fermentation to take place in the soil, where all the volatile gases can be absorbed and taken up by the growing crop, is most economical and best. We are often deceived in the effects of manure by the amount used. In applying common barnyard manure in an unfermented state, we get but about one-third the amount of manure in the same bulk that we have when used in a decayed state.

THE AGRICULTURAL SOCIETY OF FRANCE.

This Society was established in 1868, and consists of between 3,000 and 4,000 members who are resident in almost every department of France.

It appears that the Council of the Society is arranged into ten sections for the following departments:—First, agricultural proper; second, of breeding and rearing live stock; third, the cultivation of the vine; fourth, woods and waste land; fifth, horticulture and the cultivation of fruit trees; sixth, climatology, irrigation, and the economy of water generally; also, with sectional railways for the benefit of agriculture; seventh, agricultural industries; eighth, silk culture, and entomology generally; ninth, rural economy, and legislation bearing upon agriculture; and tenth, the creation of superior agricultural schools, etc.

Every one who has travelled in France must have been impressed with the fact that agriculture in many districts is very much behind, particularly as regards the bre

The Ploughman.

BOSTON, SATURDAY, JUNE 1, 1872.

NEW ENGLAND AGRICULTURAL SOCIETY.

(Official.)

TO THE PUBLIC.

The New England Agricultural Society have fixed upon the city of Lowell, as the place for the holding of the next New England Fair. The Fair will be held on the Fair Grounds of the North Middlesex Agricultural Society, and in connection with said Society. The time has been fixed on Tuesday, Wednesday, Thursday and Friday, September 3d, 4th, 5th and 6th, 1872. All breeders of horses, cattle, sheep and other domestic animals, are invited to be present to compete for premiums, with their best animals; all inventors and manufacturers of Agricultural and labor saving machines are earnestly invited to bring the works of their skill and labor for exhibition and competition.

At this annual gathering, the Society have determined to invite the exhibition of steam fire engines; and manufacturers throughout the country are solicited to send specimens of their best machines. Some time will be set apart for their trial on the grounds, and Mayors of Cities, Heads of Fire Departments and Selectmen of Towns, not only in New England, but throughout the country, will be especially invited to witness the grand, novel and useful exhibition.

DANIEL NEEDHAM, Secretary.

May 16th, 1872.

THE SUPPLEMENTARY TREATY.

The great crisis on which depended the fate of the Washington Treaty came last week in the Senate, and it was favorably passed, resulting in a vote of that body to advise the President to agree to the Granville proposition by a large majority, with some modifications, the exact character of which is not known. The debate occupied two long sessions, and the last one on Saturday continued for nine consecutive hours, in which we may be assured that the whole bearings of the subject were thoroughly discussed.

During the consideration of the subject in the executive session it was thought at times that the article would fail in receiving the requisite vote of two thirds, owing to the contrariety of views presented. Not less than six amendments were offered to effect the desired end. It is believed that Great Britain will assent to the modification of the article, as she now, with the United States, is anxious for the Tribunal of Arbitration to proceed without further hindrance. According to report, the debate on the subject before the Senate was earnest throughout, the majority of those who participated in it being influenced by a desire to remove the obstructions in a way which would preserve the national dignity, while a few others were inflexible in the opposition to assent to the waiving of the claims. Conflicting reports prevail as to the vote advising and consenting to the President's negotiating the Treaty on the proposed basis, but forty against nine seems to be the most reliable statement, a number of Senators, though present, not voting.

The article is supposed to have been changed in phraseology from the original, though preserving the principle sought to be established by the Governments. With regard to consequential damages the precise language of the article will not be officially made known until it has been ratified. The subject will next come before the Senate on the ratification of the article. It is stated that one of the principal amendments is a change of the language covering the agreement, with reference to indirect claims for the future, so as to include all indirect and incidental claims. In the rule as proposed by Great Britain, the words "such claims" were used. A strict interpretation would have confined the agreement of the parties to such indirect claims only as are the subject of the present controversy; therefore it is provided that the rule shall cover in broader terms that no direct or indirect claims shall be presented by the one nation against the other for failure to observe neutrality.

We published last week what was supposed to be a copy of the supplemental treaty proposed by Great Britain, the main point of which was the concluding portion, withdrawing from the claim for consequential damages, presented in our case before the arbitrators. Whatever may be the modification in form, it will afford the greatest relief and gratification to the great majority of the people to know that the matter is finally settled and that the arbitration is to go on. The business interests of the country demanded it, and the interests especially of the large class of claimants for losses by the rebel cruisers, for whose ultimate pecuniary benefit the whole treaty will enure. The people have waited with most intense interest for this action of the Senate. It was known and felt that England was determined to withdraw from the arbitration unless our claims were modified, and it would have been forever doubtful where the responsibility of abandoning the treaty would rest. The cause of peace and civilization will be found by history to have gained by the favorable result.

THE DAY OF STRIKES.

The carpenters' strike in New York for eight hours for a day's work having been successful, it has been followed up by other trades, and it seems as if the strike of the carpenters was but the leading off of a concerted plan among all trades to accomplish the same end and make the rule universal in the city at least. The organization of trades unions throughout the country is so strong that it is probable that the movement will extend to other cities and prevail temporarily at least wherever it may be vigorously attempted.

It was announced in a meeting in New York that a communication had been received from the Eight hour league in Boston that a general strike would take place there on the 30th, and asking for a deputation to be sent to assist in the movement. On Monday almost the entire craft of hoe shoers in Boston struck for higher wages, on an average amounting to an advance of three dollars a week. Several of the largest employers, among them the Metropolitan railroad, at once acceded to the terms demanded. In connection with the demand for the eight hour system, to be consistent there will undoubtedly be a movement to insist on an advance in the pay for piece work, wherever employment is on that basis. There are already indications in some quarters that a movement of this kind is contemplated, if not already begun.

THE WORLD'S PEACE JUBILEE.

The grand structure for the accommodation of the immense audiences that will assemble to be present at the great Jubilee, is rapidly progressing to completion, as if by magic. The energy with which the work is carried on is only in keeping with the skill, system and industry with which every other department of the immense arrangements is being perfected. The changes observable from day to day are wonderful. Water has been introduced, the seats by this time are almost all in, the floors laid, and the painters and decorators are hard at work. The great organ which has been for sometime completed at the manufactory of Wilcox & Co., has been partially set up this week. The speaking tubes have been laid to connect the stand of the leader with every part of the chorus. The foundations of the great anvils, of which there will be a hundred, have been laid, and the busy hands of a thousand men are at work putting on the finishing touches.

In the musical department, Mr. Gilmore and his able coadjutors have been indefatigable in interesting the whole musical world actively in the grand occasion, and in organizing orchestra and choruses. To say nothing of the immense choruses which are diligently practicing and rehearsing in Boston and in all parts of the country, the most extensive arrangements have been made with prominent musical celebrities abroad, to lend their presence and aid to give eclat and grandeur to the Jubilee. Franz Abt, the famous German composer, is already in the country. The great Johann Strauss, from Vienna, with a select band is on his way across the Atlantic. All the great operatic celebrities are engaged. It would fill five times the space we have at our control, to enumerate the bare details of what Mr. Gilmore has accomplished in this direction to make the Jubilee the most extraordinary event in the history of music.

THE JUBILEE ORCHESTRA.

Mr. J. Thomas Baldwin, who was intrusted by Mr. Gilmore with the important task of organizing the Jubilee orchestra, has nearly completed his labors. He has been busily engaged since the 1st of March. It is well known that the entire instrumental force is to comprise two thousand. Of this number about one thousand will be made up of a regularly organized orchestra, while the remainder will consist of the military bands, American and foreign. It became necessary to engage between eight and nine hundred members of the regular, or select orchestra as it has sometimes been termed, from among the musicians of this country, while the rest were likely to be drawn from foreign sources. New York furnishes about 450 members of the great orchestra, Boston about 270, Philadelphia about 79, Baltimore 50, Troy, Albany and the vicinity, 22 for the regular orchestra, besides band players; New Haven, 6; Hartford, 25, including nine for the orchestra; Montreal and Quebec, 26; Providence, 26, including a band; Cleveland, Ohio, 8; Peoria, Ill., 3; Pittsburg, Pa., 6; Chicago, 42; Milwaukee, 9; while thirty or forty other places have also been laid under contribution.

The New Apportionment.—The supplemental apportionment bill was passed for the purpose of granting additional representatives to those states which have large fractions under the new apportionment. Under the original bill it appeared that each State would be entitled to at least the number of Representatives which such State has in the present Congress, with the exception of New Hampshire and Vermont, these two States being assigned by that act only two Representatives each, while in the present House they have three each. If the House had not been increased in size by the act of last February, and the number of Representatives of which the present House is composed, had been apportioned under the ninth census, the State of New York would have lost three Representatives, Pennsylvania two, Ohio two, and the States of Connecticut, Massachusetts, Kentucky, Maine, Rhode Island, Vermont and New Hampshire one each. By increasing the number of the House to two hundred and eighty-three, all these States were saved their present number, except New Hampshire and Vermont By the supplemental bill the number of Vermont and New Hampshire remains the same, and the other seven are distributed among New York, Pennsylvania, Indiana, Tennessee, Louisiana, Alabama and Florida.

The Tariff.—The Senate Committee on Finance has reported the Tariff bill passed by the House with their amendments. It has been estimated that the House bill, if enacted, would strike off about forty-three millions of dollars. The Senate committee had restored some seven millions of dollars of tobacco tax, but has stricken off about twelve millions of dollars of stamp taxes, which, with other reduction, will make the bill as amended, should it be passed, reduce the tariff and taxation at least forty millions of dollars. All stamp taxes imposed by schedules B and C of the existing laws, are abolished; this includes the stamps on bank checks, drafts, agreements or contracts, leases, matches, &c. Printing paper is to be subjected to a reduction of ten per cent. on existing duties, the present discrimination between sized and unsized paper being retained. The duties on lumber are as follows: On all timber squared or sided, not otherwise provided for, one cent per cubic foot; on sawed boards, plank, deals, and other lumber of spruce, hemlock, white wood, sycamore and bass wood, one dollar per thousand feet, board measure; on all varieties of sawed lumber, two dollars per thousand feet, board measure. The clause allowing one-third of the customs to be paid in legal tender was struck out. The Senate has been debating the bill and the probability is that more substantial deductions will be made.

The Shakespeare Statue, in Central Park.—The unveiling of the Shakespeare statue in New York on Friday was witnessed by upwards of 15,000 people. The scene was one of remarkable beauty. The clouded horizon that threatened at first to repeat the showers of the morning gradually drifted away after the ceremonies had begun, and before their conclusion the sun shone as brilliantly as could be desired. The site of the monument is on the Southern end of the "Mall" in the midst of a beautiful grove of young trees, and is visible from the Drive and the Promenade for a long distance. Seats were arranged one above the other in semicircle to accommodate 10,000 persons. In addition there was a large stand for the committee, speakers and invited guests, and another for the music. The orchestra of one hundred pieces rendered the opening overture, and after prayer the presentation address was made by Judge Daly. Mr. Q. A. Ward, the sculptor, then unveiled the statue, the crowds cheering, the music playing and the birds singing. On behalf of the authorities the statue was then accepted by H. G. Stebbins, President of the Department of Public Parks. Wm. Cullen Bryant delivered the oration, and Edwin Booth read the poem, composed for the occasion by R. H. Stoddard. The statue is full figure, life-size, of dark bronze, and at present rests on a wooden pedestal about eight feet in hight. The pedestal for the monument is not yet completed, but is in progress in Scotland. It is to be of the finest Scotch granite, and of a most unique and rich design.

Mr. Angell on the Check Rein. Mr. Geo. T. Angell, President of the Massachusetts Society for the Prevention of Cruelty to Animals, has published a brief pamphlet entitled "The Check Rein," in which he presents several most sensible and forcible arguments in favor of abolishing that contrivance. He first reasons by analogy to show that horses, like men or oxen, naturally bend the head forward when struggling with a heavy load, and thus gain the advantage of their own weight; and that the check rein, which no one would ever dream of applying to a man or an ox, becomes a great drawback to the horse's efficiency and, in fact, an implement of torture. The only purpose it can subserve is to humor the owner's or driver's vanity, while the safety as well as the power of the animal cannot but be diminished greatly. Mr. Angel reinforces his position by extensive references to foreign authorities. The London horse-book condemns the check-rein as a painful and useless encumbrance; and it is a noteworthy fact that the London cab-horses and English and Irish draft horses are seldom if ever supplied with it. The rein is likewise a rarity in Italy and France, and common only in America. Mr. Angell's suggestions should attract the unprejudiced attention of all who are interested in man's most valuable and intelligent servant.

FATHER CLEAVELAND.—We are happy to learn that the health of the venerable Father Cleaveland has been improving of late.

CONGRESS.

SENATE. Both Houses, having passed a resolution to adjourn on the 29th, devoted themselves in good earnest to active work in disposing of the accumulated business before them, and some of the sessions have been prolonged through the night.

The habeas corpus suspension bill was debated in the Senate for several days and able speeches were made upon it by the leading members. The bill passed finally by a vote of 28 to 10.

The civil rights bill offered by Mr. Carpenter was then taken up by agreement between the democrats and republicans and passed by a vote of 27 to 14. The bill provides that whoever, being a corporation or natural person and owner or in charge of any public inn or of any place of public amusement or entertainment for which a license from any legal authority is required, or of any line of stage coaches, railroad or other means of public carriage of passengers or freight, shall make any distinction as to admission or accommodation therein of any citizen of the United States because of race, color, or previous condition of servitude, shall, on conviction thereof, be fined not less than five hundred nor more than five thousand dollars for each offence, and the person or corporation so offending shall be liable to the citizens thereby injured in damages, to be recovered in an action of debt. The United States Courts are to have jurisdiction of cases arising under the act. After the civil rights bill was passed the Senate took up the House amnesty bill by a vote of 38 to 2. The bill provides that all political disabilities imposed by the third section of the fourteenth article of amendments of the Constitution of the United States, are hereby removed from all persons whomsoever, except Senators and Representatives of the Thirty-sixth and Thirty-seventh Congresses, officers in the judicial, military and naval service of the United States, heads of departments and foreign Ministers of the United States.

The session of the Senate at which these three important measures were taken up and passed continued through the night, and until after ten o'clock the next day.

The supplementary apportionment bill also passed the Senate without amendment, as it came from the House.

The Senate has held several executive sessions in which it is understood that the supplementary article of the Treaty of Washington was considered, one of them, Friday, lasting until after midnight. On Saturday night the Senate voted to approve the article.

The Senate on Monday took up the House tariff bill, which was somewhat modified by the Senate financial committee.

HOUSE.—The Senate amendments to the Post Office appropriation bill produced a stormy debate in the House. The amendment doubling the subsidy for the China mail service was concurred in. The other amendments of the Senate, doubling the appropriation for the Brazilian mail service, and the one striking out the section prohibiting persons who have held offices in the Departments, from prosecuting claims against the government, were rejected.

The House took up and debated the sundry civil appropriation bill, which was passed, containing the following appropriations; for repairs of all kinds at the Charlestown Navy Yard, $75,000; Portsmouth, N. H., Navy Yard, $159,000; Brooklyn, $100,000; League-Island, $150,000; Norfolk, $100,000; Washington, $75,000; Pensacola, $25,000; Philadelphia, $40,090; Mare Island, $410,000. The largeness of the latter is mainly accounted for in the fact that important and extensive permanent improvements, including dry dock, etc., are to be commenced.

A bill was also passed relative to the centennial international exhibition at Philadelphia.

Mr. Butler of Massachusetts has made a strong speech in the House against concurring in the supplementary article of the treaty.

A bill has passed both Houses abolishing the rank of Admiral and Vice Admiral in the navy, by providing that when vacancies occur they shall not be filled.

The House has also passed a pension of $600 to the widow of Gen. Anderson, the hero of Fort Sumter.

A bill passed by the Senate, providing for the redemption and sale of lands held by the United States, under several acts levying direct taxes, coming up in the House, a substitute was adopted providing that all lands held by the United States, by virtue of the proceedings for the collection of direct taxes in insurrectionary States, may be redeemed and restored to the original owners or their representatives, within two years, on the payment of the tax and costs, with interest thereon at ten per cent. Applicants are also to pay the value of permanent improvements that may have been made by other persons after the acquisition of the property by the United States. Property not claimed within two years is to be sold at public auction. Purchasers of property from the United States, who have lost it through inability to establish a title, are to be reimbursed by the Government.

A bill in relation to pensions has passed the House, fixing the monthly pensions for disabilities as follows:—Loss or total disability of both feet, or other total disability, rendering the person utterly helpless, $40; loss of one hand or foot disability of the same, $30; any other disability rendering a person unfit for manual labor, $20; loss of the hearing of both ears or any other disability not provided for, $13.

THE BOSTON SOLDIERS' MONUMENT.—Mr. Millmore, the sculptor, has informed the City Committee that the stone for the Soldier's Monument is now being quarried at Hallowell, and will soon be ready. The surmounting figure of the monument will be completed and in position one year from next September. It is proposed to complete the different parts of the monument before the work of putting it together is commenced, and then to place it in position by the aid of machinery, as soon as possible, instead of building it up by peacemeal. The figures which it is proposed to place on the pedestal will require a finer finish than the large statue and these will not be completed inside of two years from next September. Mr. Millmore is confident of having his work thoroughly performed, however, by September 17, 1874.

THE HORSE SHOERS.—Nearly all of the employers have agreed to pay the wages demanded by the horse shoers, and the strike is virtually ended. The various corporations, as well as most of those shops which at first refused to accede to the increase, have complied with the demands of the men, and scarcely more than twenty men are unemployed. During the strike there has been no disturbance or breach of the peace of any kind. The President, Mr. Lane, states that no political, religious or other motive than that of self protection prompted the men to strike. The plan adopted, not to go near the shops after notifying its proprietor of the strike, until wanted, has met with gratifying results to all concerned.

VISIT OF KNIGHTS TEMPLARS.—The St. John Commandery of Knights Templars arrived in Boston, Monday, as the guests of the Boston Commandery. They numbered, with a few ladies, about two hundred, and were lodged at the Revere House. On Tuesday they were entertained by an excursion down the harbor in the steamers, visiting Deer Island, and having a collation at the Rockland House. Wednesday evening they had a formal reception at the Masonic Temple. Everything was done to make their visit pleasant and agreeable.

TERRIBLE DISASTERS AT SEA.

A narrative published in the New York *Times* reports the most terribly destructive marine disaster we remember ever to have read. It occurred to the seal fishing fleet off the coast of Labrador and Newfoundland, in a recent hurricane in a sea full of heavy icebergs and floating ice. Over forty vessels, including four steamships, have been heard from as total wrecks, having been dashed to pieces while amid huge icebergs and plains of ice during a terrible hurricane. On an average each of these vessels carried about 100 men, employed as seal hunters, and out of those 4000 human souls only 175 have been accounted for. The large majority of these unfortunates have left families behind exclusively dependent on them for sustenance.

THE VESSELS LOST.

The following vessels are known to have been lost; Maid of Judah, 97 men; Spark, 104 men; Bloodhound, (steamship,) 123 men; Eclipse, 99 men; Rover, 90 men; Retriever, (steamship,) 150 men saved; R. G. Y., 100 men, all hands perished; Aurora, 74 men; Laplander, 80 men; Witch of the Waves, 93 men; Edgar Doran, 102 men; Twin Sisters, 98 men; Terra Nova, 115 men; Flash, 101 men; Leonora, 62 men; First Fruit, 75 men; Lord of the Isles, 75 men; Esquimaux, 104 men; Auster, 97 men; Marguerite, 45 men; Hawk, (steamship,) 175 men; Emily Ann, 113 men; Meteor, 70 men; Ironsides, 115 men; Lucknow, 98 men; William V. Mory, 91 men; Pride of the Sea, 117 men—all known to be lost; Hector, 100 men; Brothers, 90 men; Iceland (steamship) 132 men; Hero, 42 men; Nightingale, 65 men—all known to have perished; Balaklava, 79 men; Eglantine, 80 men; Herbert Luby, 98 men; Queen of the Isles, 96 men; Hunter, 50 men—all known to have perished; Mary Jane, 43 men; Redman, 65 men; Home of the North, 132 men.

TERRIBLE INCIDENTS.

Many others have not yet been heard from, but all those recounted above were totally wrecked and their crews have not been accounted for except in very rare instances, and the few who were saved could not give any definite intelligence of those they had left behind them. During the night of the loss of the Retriever sixteen sail of vessels were hemmed in by high boulders and bergs of ice, over which tremendous seas dashed high and wild, so that it was impossible at times to discover the icy islands, and charge after charge of ungovernable ships against these mighty barriers soon cleft the bows and bulwarks asunder, and consigned many stalwart forms and brave hearts to watery graves.

While this fleet lay to, as a last effort to survive the wild northeastern hurricane, many of the tossing craft cut down each other. One fearful instance is recorded, wherein a vessel was driven on an iceberg by a huge sea, and fell back with a mighty crash on the brig Twin Sisters, which lay beneath the iceberg. A large number of men were instantly crushed to death, and the Twin Sisters literally burst in two. The rest, only fifteen out of ninety-eight, clung to the broken spars and were by chance picked up by the crew of the Retriever. The Retriever barely reached land in the morning, when she sunk in the water, the crew escaping in boats. The consequence of this **wholesale ruin to the seal hunting fleet of Newfoundland will steep that country again** in poverty and misery, from which it has but recently risen. Hundreds of the fleet are yet to be heard from, and their fate may be even as gloomy as that of the forty-one vessels of which this account is presented. In the light of the dreary dawn the sole survivor presented itself to those on board the only survivor of the fleet of sixteen, the Retriever, cannot possibly be described. The ice had wedged in the space intervening between the position of the vessels and the shore. Upon the rudely heaped boulders and flakes of ice were strewn masts, yards, rigging, clothing and broken hulls in the wildest disorder. Worse still were the mutilated and bank stock on a stock farm, any more than you can learn anything at an intelligence office.

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— Bulwer's brother is dead, who used to be British minister to this country.

—Congress is doing its level best to adjourn on Monday next.

— The investigations into the affairs of the Methodist book concern reveal some large and very deliberate frauds.

—Commodore Vanderbilt does not seem to be particularly fortunate with his new wife's relations.

— The workingmen's movement threatens to become a general one. Yet in Philadelphia, where workingmen abound more than in any other city in the Union, there are no such combinations as we witness elsewhere, which is accounted for by the fact that there they own their homes themselves.

— Mr. Greeley's example at Chappaqua promises to inaugurate a company of political picnics.

— The duties on tea and coffee remaining in Government warehouses on the first of July are to be refunded to the importers.

— Croton water having been accused of harboring injurious ingredients, a scientific examination shows that it is purer than it was in 1869. It's Croton Oil that makes mischief.

— The recent copious rains occurred at precisely the right time to extinguish the fires that have been raging in the woods everywhere.

— Lexington, the famous Kentucky racer, belonging to old John Harper, came East in a palace stock car.

— Open horse-cars have appeared on our streets, which is a sure sign that summer has come to stay.

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— A Greeley banner in a New York town is a hickory pole sixty feet high, with a white hat on it.

— In a Western State they tell of a pear tree scion that was grafted on a hawthorn sixty-five years ago, and it is fifty feet high and bears an annual crop of fifty bushels of pears.

— The Philadelphia parks are kept open until 11 p. m.

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— Two European steamers arrived at this port in one day last week.

— The Board of Aldermen have deferred their decision on the Sunday Library question, for one week in order to allow remonstrants a hearing.

— Real estate matters are looking up in East Boston, as well as everywhere else.

— Boston insurance men have planned a pleasant day to Rocky Point next, month.

FRENCH'S CULTIVATOR.—The Ames Plough Company, among the numerous first class machines manufactured by them to lighten the labor of the farmer, make the ingenious horse cultivator, invented by Mr. French, and patented in 1869. It is finely adapted to do all the work required of a cultivator, and among its many points of superiority over all others are the following: It effectually draws out witch grass and other noxious weeds, and pulverizes most deeply and thoroughly. It is very light and of easy draft on account of its small size and peculiar form of the teeth. It is also easy to clean, and is very free from clogging. These advantages must recommend it very highly for farmers and gardeners.

☞ On Monday last a water pipe in a house in Brookline was discovered frozen up, as it had been since the middle of February. The pipe conveyed water from Jamaica Pond, and was four and a half feet below the surface of the ground.

READ AND RUN.

— Missouri, as well as Illinois, has been visited with a tearing tornado, which called in the aid of a freshet to finish its work.

— At the meeting of the N. E. Woman Suffrage Association this week, one speaker declared for the right of women equally with men to get in and out horse cars while in motion. Certainly.

— The house of Mr. H. A. Griswold, in Dorchester District, was struck by lightning during the shower last Tuesday afternoon, and the house and furnitures damaged to the extent of five thousand dollars. As it happened, none of the family were injured.

— The Long Island women have been organising and breaking up a dam, because it set back the water and caused sickness.

— Mrs. Appleton, one of the founders of the Society for the Prevention of Cruelty to Animals, has presented the city of Boston with a capacious stone watering trough, with self-acting bucket.

— The Orangemen have in general convention resolved to march in procession on the 12th of July in every city of the Union.

— A firm at Council Bluffs hangs out the name "Moore and Moreover." There can be no more room for partners.

— There are a few less than a quarter of a million inhabitants in Rome. It used to have some four millions, in its balmy days of empire.

— The Mexican bread fruit is to be introduced into Florida. All our farmers cultivate it, in the shape of wheat and corn.

— You can go up to the Catskills from New York for ten cents.

— "Independent journalism," so called, is not independence of the ordinary rules of courtesy and good breeding.

— A merchant of this city has been on trial during the past week, on the charge of setting fire to his store.

— Rev. E. E. Hale expects to lecture next winter on "A civil Servant." Perhaps he has found the article.

— The manufacturing companies have no reason to complain of their last year's operations, judging by their profits.

— The Free Traders intend to switch off from the Cincinnati movement and set up for themselves.

— Four or five years, will suffice to make France herself again.

— The force and direction of the wind are to be recorded by electricity.

"The mystic tie" sometimes is to be discovered in the cravat.

— A great many States are singing by themselves, in preparation for the Musical Festival.

— The sailing fleet off Labrador and Newfoundland has met with nothing but disaster the past season.

— Two of our railroad companies offer to send the flowers which suburban passengers may bring in with them to the Hollis Street Chapel, for the Flower Mission.

— The Emperor of Germany sends over his quartette of cornets for the great Festival.

— Human bodies are found floating about our docks almost as thickly as in New York.

— No more death dealing boiler explosions testify to the perils of poor engineers.

— The Mace and O'Baldwin fisticuff encounter comes off somewhere in Virginia, during the month of June.

— A man in Norwich, Conn., was killed in a mill by the rebounding of a ball of cotton, which crushed his head against a wooden pillar.

— A Chepatchet woman committed suicide from insanity, which was believed to have been caused by the use of hair dyes. We hear of no dealers in such stuffs ever committing suicide.

— Valmaseda's proclamation to the insurgent Cubans is not likely to produce any great effect on them.

— Mrs. James Fisk Jr., continues her late husband's suit against the Union Pacific Railroad Co.

— The Brooklyn Common Council have ordered the five bells of the City to be rung at 8 A. M., and 5 P. M., to denote the hours of beginning and leaving off work by the workingmen.

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DECORATION DAY.—The principal ceremony, decorating the graves of the soldiers who perished in the war of the rebellion, was again performed on Thursday, the day set apart by the Grand Army of the Republic. In this vicinity it was celebrated with all the devotion and respect which has characterized our people in years past on its return. Each year seems to enlist the regards and sentiments of all classes in bestowing floral honors. The most eloquent and gifted among us pronounced the orations, and the civic authorities generally took part in the ceremonies. The proportion and beauty of the floral offerings were beyond precedent. The day and the ceremony each year becomes more and more hallowed. A grateful people will preserve long in their memories the sacrifices made by the honored dead.

LOST BONDS REISSUED.— A bill has passed Congress and become a law, to meet the many cases of government bonds which have been lost or destroyed. It provides that upon receiving satisfactory proof that any interest bearing bond of the United States has, without bad faith upon the part of the owner, been destroyed wholly or in part, or so defaced as to impair its value to the holder, and which bond shall be identified by number and description, the Secretary of the Treasury shall, under certain regulations and restrictions, issue a duplicate of such bond having the same to run, bearing like interest as the bond so proved to have been destroyed or defaced, and so marked as to show the original number of the bond destroyed and the date thereof. It is estimated that thirty million dollars worth of bonds will be reissued under the provisions of this law.

CROP PROSPECTS AT THE SOUTH.—Eastern Virginia, North Carolina, Tennessee and Georgia, have recently been visited by rains, which have been of great benefit to the growing crops. From South Carolina, Florida, Alabama and Mississippi, come accounts of drouth, and consequent backwardness or failure of the cotton plant. The want of rain appears to be severely felt in all these States. In Louisiana there is a decided improvement in the condition of the growing cane, yet well informed parties do not expect a crop of over 75,000 hogsheads. In Texas the prospect for all crops appears to be very promising.

AID TO THE FLOWER MISSION.—Messrs. Firth and Folsom, the Superintendents of the Boston and Albany and Boston and Providence Railroads, have kindly offered to send all flowers brought in by passengers on Mondays and Thursdays, from the stations to the Hollis Street Chapel, whence they can be readily distributed by means of the workers in aid of the Flower Mission to work rooms, hospitals, and other places where their presence and fragrance will prove a rare blessing and delight.

DEATH OF MR. APPLETON.—The young man, Daniel Webster Appleton, who was so badly burned in a station house in the Dorchester District, lingered for about ten days in the City Hospital, and died last week. An inquest has commenced its investigations into the cause of his death.

WELL SAID.—It is a mistake to suppose that the cause of education is always advanced by the mere multiplication of educational institutions. Gifts to such institutions have been characterized, quite generally, more by the desire of personal notoriety than by a sincere wish to aid education. Benefactors have chosen to found new institutions and have them christened after themselves; conceiving that they could, in no surer way, build themselves a name. As a result we have, scattered through the country, and especially through the West and South, many puny "colleges" and "universities," with a dozen or so students, and with no higher educational grade than an ordinary academy. Meanwhile many an old and long established college, with an honorable history and a long list of respected and learned men for its Alumni, is suffering for lack of funds necessary to its support. It is to be hoped that the order of things may change before long, and men of wealth and benevolence rally to the support of colleges and universities which have long been, and should continue to be, centres of wide and elevated influence.—*Journal.*

ATLANTIC TELEGRAMS.

THE CARLIST INSURRECTION.

MADRID, May 22.—It is reported that the Carlist leader, Ytirbe, has received a fresh supply of arms and threatens vengeance to Carlists who have submitted to the authorities in Guipuzcoa. The last Carlist band in Lerida numbering three hundred men, surrendered yesterday.

The Government troops in Genors have had an engagement with the Carlists and completely defeated them.

Numbers of Carlists continue to surrender to the Government troops. In some of the disaffected Provinces, however, fresh bands have appeared within the past few days. Though small, they are very active, and have cut the telegraph wires in various directions.

THE DEBATE IN THE ASSEMBLY.

PARIS, May 23.—The journals to-day generally agree in an expression of opinion that the debates in the Assembly on Tuesday and Wednesday inflicted a crushing blow to the hopes of the friends of the Empire. The Journal des Debats says the result of the discussion is a parliamentary Sedan. It is understood the party of the Left in the Assembly will, after the close of the impending trial of Marshal Bazaine, demand the impeachment of members of the last Ministry under the Empire.

THE INTERNATIONAL BOAT RACE.

LONDON May 24.—The Atalanta and the London crews have agreed upon the 10th of June as the day for the race, and 4.30 P. M. as the hour for the start. A new boat, ordered by the Atalanta crew, is being made by Biffin and will be completed by Wednesday next. The *Mail's Mail Gazette* says that American crew pull in a style which is simply perfection, and that between it and the Londoners the difference is plainly visible.

THE QUEEN'S BIRTHDAY

was observed to-day at Windsor, with suitable Court festivities. The celebration in this city takes place on Saturday, by which time the Prince and Princess of Wales will have reached home.

MISS KELLOGG

made her fourth appearance last night, at Drury Lane Theatre, in the role of "Lucia." The house was crowded, and the lady enthusiastically applauded. Critics continue to praise both the acting and singing of the American prima donna.

LETTER FROM EX-EMPEROR NAPOLEON—THE SURRENDER OF SEDAN.

PARIS May 24.—The Gaulois publishes a letter from Emperor Napoleon dated Chiselehurst, May 12, and addressed to the Generals and Commandants of the French army, in which he makes the following acknowledgment: "I am responsible for Sedan. The army fought heroically, with an enemy double its strength. After 14,000 had been killed or wounded I saw the contest was merely of self-sacrifice. My honor having been saved, I exercised my sovereign right and unfurled the flag of truce. It was impossible that the immolation of 60,000 men could save France. I obeyed a cruel, inexorable necessity. My heart was broken, but my conscience was tranquil."

EN ROUTE FOR THE JUBILEE.

The band of the Garde Republicaine, which is to assist at the world's Jubilee at Boston, sailed to-day on the steamship St. Laurent, from Havre for New York.

MISS NELLIE GRANT

was among the visitors present at the gallery of the French Assembly during the debate on Wednesday.

THE NEW MINISTRY.

MADRID, May 25.—The new Ministry to be formed by Admiral Topete will be constituted as follow:—President of the Council and Minister of War, Admiral Topete; Minister of Justice, Groissard; Minister of Finance, Eidnazru; Minister of the Interior, Candau; Minister of the Colonies, Balaguer; Minister of Marine, Aniegner.

It is understood Admiral Topete will soon be succeeded in his capacity as Minister of War by Marshal Serrano.

THE CARLISTS ACTIVE—PARDON OFFERED.

The Carlist bands, which were announced as having appeared in some of the provinces, and cut the telegraph lines, have not yet been suppressed. They are still active, and continue to sever railroad and telegraphic communication between various points. Marshal Serrano grants a full pardon to the insurgents who voluntarily surrender to the authorities. On Saturday the Carlists in Biscay availed themselves of this clemency in large numbers. One band only remains in the mountains of Navarre.

THE TREATY.

LONDON, MAY 27.—In the House of Commons, this evening, Mr. Gladstone expressed regret at the premature publication of the supplemental article, and was surprised that Americans were so intimate as to blame in the matter. In reply to Disraeli's inquiries he said that the Government had been informed officially that the Senate of the United States had ratified the new article. The amendments made thereunto had just been received and were under consideration of the Cabinet.

COMMENTS OF THE PRESS.

Despatches announcing the passage by the United States Senate of the resolution advising President Grant to negotiate for the additional article to the Treaty of Washington were received here yesterday. The effect of the favorable vote is seen in the market, for American securities this morning opened firmer. London journals comment at some length upon the result of the Senate's deli

ANNIVERSARY MEETINGS.

AMERICAN PEACE SOCIETY.

Hon. Amasa Walker presided at the meeting of the Society, Monday, and in an opening speech advocated the fixed establishment of a 'court of Nations, like the present Geneva Tribunal. The annual report was presented by Rev. J. B. Mills, Corresponding Secretary, which reflects gratefully upon the recent negotiations in the interest of peaceful arbitration, and concludes that it was a message to the Society to go on. Receipts for the year :—Donations, $3530 10; legacies, $2040; permanent funds, $1021; publications, $2461 26. Total, $12,102 36. Total expenditures were made to balance, and the indebtedness of the Society was reduced $711 71, its present indebtedness being $1081 14. The annual election resulted in the choice of the old Board with a few changes. Dr Howard Malcolm is President. A series of resolutions were read by the Secretary. The resolutions contained expressions of congratulation on the continuance of peace, welcomed the Peace Jubilee, and hailed the action of the two great countries who were endeavoring to settle their difficulties amicably, with pleasure. The action of Congress in regard to the supplementary Treaty was also considered a subject of congratulation. The formation of an International Congress was advocated. The resolutions were adopted. The annual meeting was announced by the Secretary to occur on the evening of June 16.

BOSTON SEAMEN'S FRIEND SOCIETY.

The annual business meeting of this Society was held Monday, the President, Henry Edmands, in the chair. The following is an abstract of the report of the Treasurer, Thomas D. Quincy: Expenditures There was a balance last year due Treasurer, $1042 43; cash balance of Chaplain and two other efficient persons who visit and labor for the good of seamen $5300; loss received from American Seamen's Friend Society, $1000, $2500; paid for board, clothing, etc., for destitute seamen, $480; books for seamen, expenses at Salem and Marrimers' Church, repairs at Church and Home, with interest, etc., paid $2135 35; total expenditures, $6427 78. Received the past year from individuals, churches, etc., $1715 65; for interest and rents, $1241; total receipts, $2956 65. Now due Treasurer, $3521 13. It will be seen that the amount expended for seamen and others, exceeds largely the income, but wishing to obey the command to do good as we have opportunity, and in hopes of more generous contributions from the public, the labors of the Society are continued. The report was accepted and the old Board of officers re-elected, only two re-elected, viz.:—President, Henry Edmands; Vice President, Joseph C. Tyler; Secretary, Fred A. Benson; Treasurer, Thomas D. Quincy.

MASSACHUSETTS BIBLE SOCIETY.

This meeting was held Monday, Hon. Albert Fearing in the chair. According to the Treasurer's report the receipts from all sources were $38,192 24, and the expenditures $27,867 89. The work of the Trustees has been very prosperous. During the year there have been issued from the depository 9017 copies of the whole Bible; 13,204 copies of the New Testament; 5253 of the Testament and psalms; 1996 portions of the Testament; 2004 of the Psalms; 612 of Proverbs; in all 33,036 volumns; 8587 volumns have been given away. The cost of the gratuitous issues have been $7292 29. A colporteur in Canada has visited 792 families, 305 of whom were Catholics, and 60 liquor dealers; another in Plymouth county has called on 2586 families. Hon. Samuel A. Wakley, President, and the old officers were re-elected except Rev. A. H. Vinton and Hon. Wm. Hyde, Vice-Presidents, and Rev. W. F. Mallalieu, Trustees, who are newly elected.

MASSACHUSETTS CONGREGATIONAL CHARITABLE SOCIETY.

By the report of the Treasurer and the Committee, submitted Monday, it appears that this Society has the $181,000 mentioned in last year's report and has distributed $10,000 to fifty six widows and children of deceased ministers during the year, and $1070 have been donated to the convention fund for the same purpose. The following officers were elected: President, Hon. John Amory Lowell; Vice President, Hon. John T. Bigelow; Secretary, Rev. Chandler Robbins, D. D.; Treasurer, H. H. Kuhn; Counsellors, Rev. Dr. Blagden, Hon. Albert Fearing, Hon. Benjamin F. Thomas, W. H. Simmons, Hon. Abbott Lawrence; Committee on Appropriations, Rev. Dr. Lothrop, Rev. Dr. Geo. E. Ellis, Rev Mr. Means and the Treasurer; Committee on Accounts, Wm. T. Andrews, Nathaniel Thayer and H. B. Rogers.

AMERICAN EDUCATIONAL SOCIETY.

This Society held its anniversary Monday. Rev. J. L. Taylor, D. D., presided in the place of the President. Prayer was offered by Rev. Dr. Wellman, of Newton. The old Board of Officers were re-elected with the exception of J. M. Pinkerton, who was elected Vice President, and Meriden Chamberlain, as Director. The Treasurer's report stated that the balance on hand at the beginning of the year was $1577,89; receipts, $32,-742 93; expenses, $29,919 37; balance on hand, $4401,57. The Society has assisted 361 young men, in 35 colleges, during the last year. A committee of conference with the College Society was appointed.

MINISTERIAL UNION.

This meeting was held Monday. Rev. A. K. Tibbets presided. The report of Rev. S. W. McDaniel, the Secretary, showed that $118,36 were in the Treasurer's hands and that the general attendance during the year had been good. The officers for the year ensuing were then chosen :—President, Rev. H. C. Badger; Vice Presidents, Rev. J. C. Lovering, H. H. Barnes; Secretary, Rev. Samuel McDaniel; Treasurer, Rev. Adams Ayer. The annual address was then delivered by Rev. Cyrus A. Bartol, D. D., upon "The Logic of Unity."

AMERICAN UNITARIAN ASSOCIATION.

The annual business meeting of the American Unitarian Association was held on Tuesday, in the Hall of the Massachusetts Charitable Mechanics Association, corner of Bedford and Chauncy streets.

The Treasurer, Mr. Arthur T. Lyman, presented his annual report. The balance of cash on hand from last year was $7160 73. The amount of donations was $86,761 19; amount received on account of temporary investments $91,700, and the total amount of receipts $221,122 56. The expenditures, including $25,000 paid on account of Unity Church, Chicago, amount to $217,869 69, leaving a balance of $3313 87 on hand. The balance of temporary investments amount to $18,918 75, and that of funds in the hands of the society amount to $63,140 00. The report of the Executive Committee was then read by the Secretary.

AMERICAN CONGREGATIONAL ASSOCIATION.

The nineteenth annual meeting of the American Congregational Association was held Thursday. It was called to order by Hon. Edward S. Tobey, of Boston, and prayer was offered by Dr. J. W. Chickering. The annual report of the Board of Directors was presented by Dr. L. P. Langworthy, the Secretary. At the close of last year there had been paid on the estates at the corner of Beacon and Somerset streets, on which the denominational headquarters are to be built, the sum of $150,000, which is about one half of their original cost. As yet but one out of the five churches of the denomination have contributed to forward the work. It has been decided to hold a fair in October, to promote the public interest in this work, to create a greater intimacy among the members of the Congregational churches and to increase the resources. The Library Committee, through their Chairman, Rev. A. L. Quint, reported that the whole number of books added this year was 383, including valuable works, and 5440 pamphlets. The assets of the society are to day $181,000 against $159,000 of the year previous. A fraction over $100,000 has been paid upon the estates purchased, which includes principal and interest, and the available resources of the treasury are $81,250.

DISASTROUS HURRICANES IN MISSOURI AND LOUISIANA.—*St. Louis, May* 28.—Special dispatches from Versailles and other points in Southwest Missouri say that a terrible tornado passed over Morgan county on Saturday evening. On the farms of Avery Fisher and others houses, barns, orchards, fences, etc., were completely destroyed. Jacob Blosser and child were killed and Mrs. Blosser, Avery Fisher, his wife and twelve others were wounded, only five of whom are expected to recover. In the vicinity of Florence a great number of houses, barns, etc., were destroyed. At Verona, on Sunday night, there was a heavy fall of rain, which flooded a large part of the town and carried away a railroad bridge and a long stretch of the railroad track. The house of George Greenlock was swept away and himself, wife and child, were drowned in the valley of Spring River. Immense damage was done, whole farms being completely ruined. At Springfield and its vicinity the rain fell in torrents the whole night. The railway track was washed away and other damage done.

NEW ORLEANS, May 28.—A tornado swept over St. Charles Parish on Friday, totally destroying the residences, sugar-houses, families, and quarters on the plantation of Young & Brother, uprooting trees, etc. Alexandria was also visited by the tornado. The Episcopal church was blown to the ground, trees uprooted and fences blown down. The damage in this city is estimated at $35,000. Other sections probably suffered by the storm.

WESTERN PRICES.—Among the many superior inducements, such as cheap raw materials, cheap coal, tenacres to market, water transportations, etc.,—which must speedily have the occupation of the great water power created here by the "Kankakee Company," there is quite an important one which is likely to be overlooked by manufacturers, among so many more important, viz., the *cheapness of living* in the West.

We append a few retail prices current here during the past and present months; the products of the country can, however, be purchased direct from the farmers at lower rates. Flour, $4 per cwt.; meal, 80 cents per cwt.; butter, 18 cts.; eggs, 10 cts.; leaf lard, 10 cts.; corn, 52 cts.; sirloin steak, 12 1-2 cts.; common steak, 10 cts.; pork, 10 cts.; chickens, 25 cts. apiece; turkeys, $1 apiece; ham, 12 1-2 cts.; coal, $3 75; nut coal, $2. Dry goods and groceries at nearly the same rates as in New England.—*From Wilmington (Ill.) Advertiser.*

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New Advertisements.

RUPTURE!

A NEWLY PATENTED and INCOMPARABLE article

TRUSS

to any heretofore invented, curing speedily in ordinary cases. To secure ease a cure effected by operation; the undersigned being a skilled Physician and Surgeon.

W. M. STEVENSON, M. D.,
L. R. C. S. E.
Office, 823 Washington Street, Boston.

jel-6

New Advertisements.

KING'S PATENT MOWER KNIFE GRINDER.



It does its work perfectly, and at any bevel desired.

Requires only one man or boy to use it.

The Knives are not overground, consequently LAST LONGER.

No one using a Mowing Machine can afford to do without it.

Inclosed in any griststone

PRICE .....$4.00.

HAYING TOOLS
OF EVERY DESCRIPTION.

WHITTEMORE, BELCHER & CO.,
AGRICULTURAL WAREHOUSE AND SEED STORE,
No. 34 Merchants Row, Boston.

jel-covtf

BOSTON HORSE HOE,



For Market Gardens and the Field Culture of Corn and Roots.

IS A COMPLETE PULVERIZER AND MELLOWS the surface of plowed land, preparatory to putting in the crops. Mixes manure with the soil and cannot be clogged or choked with weeds, stubble or sods. Works well on hard, rough or stony land, and is very effective in destroying Twitch Grass. Does the work of a Cross-Plow or Harrow, and prepares land for grass without turning up the old sward. Has a strong, light, iron frame, and three improved plows or moulds, that throw the earth to or from the plants.

Its rear plows can be contracted to fifteen inches in width, and expanded to thirty-six inches, and are reversible. Can be gauged by the screw nut at any depth from three to seven inches. A pair of larger rear plows for hilling will be sent extra when ordered at per pair; also

KNOX'S PATENT HORSE HOE,

MADE ONLY BY

Ames Plow Company,

MANUFACTURERS OF

Agricultural Implements & Machines,

Warehouses, Quincy Hall, Boston, and 53 Beekman St., New York.

Liberal discount to Dealers and Agents.

jel-4c

CHOICE

FRENCH CHINA!

Comprising the most Complete Assortment of

DECORATED DINNER SETS,

Of New Shapes and Styles of Decoration,

—ALSO OF—

WHITE CHINA,

With a large Stock of

CROCKERY AND GLASSWARE,

Of the Best Quality.

SILVER PLATED ICE PITCHERS,

WATER COOLERS,

ICE CREAM FREEZERS, &C.,

Which we offer at

VERY LOW PRICES,

WHOLESALE OR RETAIL.

D. B. STEDMAN & CO.

136 SUMMER STREET,

(Opposite South Church,)

jel-1t BOSTON.

THOROUGHBRED JERSEY COWS AT AUCTION.

WILL be sold at Public Auction at the residence of the subscriber in East Abington, on **Thursday, the 6th day of June** next, at one o'clock, P. M., eight valuable and full blood Jersey Cows, all bred by me from stock of my own importation, and all registered in the American Jersey Herd Book. They are all in fine condition, and giving a large flow of very rich milk. Any one in want of a superior full blood Jersey Cow, this will prove a favorable opportunity to obtain them, as the sale will be positive and without reserve or limits, as I have no pasturage for them.

Trains leave Boston, (Old Colony Depot,) for East Abington, at 12 noon, and return at 4.30 P. M. My residence is within 3 minutes walk from the East Abington Depot. Persons wishing catalogue, please apply by mail.

WASHINGTON REED.

East Abington, May 28, 1872. jel-1t*

GARDEN VASES!

THE undersigned would respectfully call the attention of all interested to their

Large Stock of Vases,

Suitable for the

Garden, Lawn and Cemetery.

IRON, TERRA COTTA AND GARNKIRK VASES.

STORY & MELLEN,

No. 113 Tremont St., Boston.

jel-3t

WINDMILL.

NICHOLS' CELEBRATED WINDMILL, simple, strong and durable. Warranted to be

PERFECTLY SELF REGULATING.

GIBBS & GORDON,

NEW ENGLAND AGENTS,

No 60 Sudbury St., Boston.

Send for Circular. jel-tf

The Wakefield Earth Closet



Is acknowledged to be the best yet invented, and is the only Closet that has the *chief* and *sole* aim to convert the excrements uniformly and effectually, which is a *vital* point, and its principal advantage over all others. Send for Circular.

—ALSO—

Garden Vases & Fountains.

For sale by

MURDOCK & CO., Agts.,
11 Marshall St., Boston.

jel-12t

For Sale.

Three lots of Land, viz: My HOME FARM, situated in the centre of Princeton, Worcester Co., Mass., two miles from Depot, near two large summer resorts, containing 141 acres, 90 acres pasturing and wood, 50 mowing, all cut with a machine, 75 Pear trees, 200 nice Apple trees, good buildings, running water to House and Barn.

2d. Wachusett Mountain, in Princeton, containing 600 acres, 400 covered with wood and timber.

3d. Jones Hill, 100 acres, 75 pasturing, 25 mowing, all cut with a machine, and sold with the Farm, if desired.

jel-6t JOHN BROOKS, Princeton, Mass.

MANOMET POULTRY YARDS.

SOUTH PLYMOUTH, MASS.

COCHINS, BRAHMAS, PLYMOUTH ROCKS, and FANTAIL PIGEONS, always on hand at these yards. Also eggs in season. *None but good Fowl and fresh Eggs sent.* Those Fowls are strictly pure bred, and from the best strains of blood on either continent. Prices reasonable. Orders booked now, for Chickens in the Fall. "First come, first served," is the rule here, as hurry up.

Address as above, for Price List, *enclosing stamp.* jel-tf

Graves' Incubator.

THIS Machine can be seen in full operation between the hours of 9 and 10 o'clock, A. M., and 1.30 and 2.30 P. M., and **at those times only.** Machines for sale and full particulars given during above hours.

JACOB GRAVES,
26 No. Market Street, Boston.

jel-3t

Bull Calves.

I HAVE FOR SALE, at low prices, at Fairview Stock Farm near Fitchburg, a few thoroughbred SHORTHORN BULL CALVES of various ages, all bred from fine milking stock. Also, a number of yearling BULLS and HEIFERS of like breeding.

AUGUSTUS WHITMAN.

jel-3t*

Myrtle Wanted.

WANTED to purchase, a large quantity of MYRTLE or PERIWINKLE. Parties having a surplus, or old beds, please address

H. C. DERRICK,
16 Pemberton Square, Boston.

jel-3t*

RASCALS Don't like the "Sar Spangled Banner" because it shows up all quacks, humbugs, swindlers, etc., etc. Its "Rogues Corner" will save you MONEY. Only 75 cents a year, and an elegant Prang Chromo free. Specimens 6 cents. Address "Banner," Hinsdale, N. H.

jel-1t

MARK PITMAN,

NORTH BEVERLY, MASS.,

OFFERS for sale, Eggs for hatching from his superior stock of Fancy Fowls. Warranted fresh, and from as pure strains as can be found in the United States.

jel-4t

WORLD'S PEACE JUBILEE

—AND—

INTERNATIONAL MUSICAL FESTIVAL.

Preliminary Announcement.

THE Executive Committee of the World's Peace Jubilee and International Musical Festival respectfully announce that the great undertaking to which the music-loving people of the country have been looking forward for many months, with such deep interest, will commence in Boston

ON THE SEVENTEENTH DAY OF JUNE

AND CLOSE ON THE

Fourth of July Next.

It is hardly necessary to state that the preparation for this great event have required the constant application for months of the thousands who are to participate in it, and have involved an enormous expenditure; but the committee feel confident that the time, labor and expense devoted to the successful development of so noble an enterprise must result in not only affording the highest gratification to all who may hear the glorious music to be rendered upon a scale of grandeur never before attempted, and witness the magnificent spectacle, which such an assemblage must present, but that it will also confer a lasting benefit upon art, the country, and the age.

While the programme of the first week of the Festival will embrace all the great features to be presented—including the CHORUS OF

TWENTY THOUSAND VOICES,

THE

Orchestra of Two Thousand Performers,

the most powerful organ ever built, together with many of the most eminent American and European bands and artists (among whom may be mentioned the great musette,

Johann Strauss and His Famous Austrian Band,

of fifty-six performers,) the concerts to be given from first to last will surpass any series of musical entertainments ever presented to the American public.

SEASON TICKETS, transferrable, admitting to all the Concerts from June 17th to July 4th, inclusive, FIFTY DOLLARS EACH, including reserved seats, now ready; and Tickets for single admission to each entertainment, during the first week, FIVE DOLLARS, with reserved seats, will be ready for sale on *and after June* 1, and may be had upon application, personally or by letter, to A. P. PECK, Music Hall, Boston.

☞ Diagrams of seats in the Coliseum for sale at Music Hall.

☞ Full particulars hereafter.

Per order of the Executive Committee.

HENRY G. PARKER, Secretary.

may25-2t

FRENCH'S

PATENT CULTIVATOR,



Specially adapted to Market Gardens, and the Field Culture of Roots, Onions, Strawberries, &c.

PULVERIZES deep, works very close to small and tender plants, without throwing earth upon them. Effectually draws out Twitch Grass, Sorrel and other weeds. Lifts and lightens the soil, and leaves it level. Can be used from one to three feet wide, and at various depths. Runs steadily and is of very light draft.

MADE ONLY BY

AMES PLOW COMPANY,

MANUFACTURERS OF

Agricultural Implements and Machines,

Warehouses Quincy Hall, Boston, and 53 Beekman Street, New York.

*** SEND FOR CIRCULAR.

MASSACHUSETTS AGRICULTURAL COLLEGE, AMHERST, MASS., OFFICE OF FARM SUPERINTENDENT,
May 23, 1872.

AMES PLOW COMPANY—Dear Sirs: We think very highly of French's Cultivator. It is especially valuable for working among young corn, root crops and garden vegetables; as it thoroughly pulverizes the soil and destroys the weeds without danger of covering up or disturbing the crop.

my15-6t JOHN C. DILLON, Farm Superintendent.

FARM TOOLS.

500 PATENT CAST STEEL TEETH CULTIVATORS, various patterns.
300 Iron Teeth Cultivators.
300 patent Horse Hoes, various patterns.
Lion, Steel, and Double Mould Board Ploughs.
The Blanchard Prize and Cylinder Churns.
Garden and Field Rollers, Seed Sowers, Road Scrapers.
Weather Vanes, Garden and Field Hoes, Scuffler.
Garden Rakes and Trowels, Ladies' Floral Tools.
Pruning Shears, unclimbing Lever, Grass and Border Shears.
Wheel Jacks, Edging Knives, Weeding Forks.
Grindstones, Grindstone Hangings.
Shovels and Spades, Picks and Mattocks.
Wheelbarrows, Store Trucks, Ox Muzzles.
Excelsior Water Drawers and Cucumber Wood Pumps, and all Tools required for the Garden and Farm, at the lowest prices at

PARKER & GANNETT'S

Agricultural Warehouse and Seed Store.

Nos. 49 North Market Street, and
46 Merchants' Row, Boston, Mass.

my18-4t

The Hill's Improved

ARCHIMEDEAN LAWN MOWER.

ITS Simplicity of Construction, Easy Draft, Durability, Perfectness in its Manufacture, Easy way of Sharpening when Dull, makes a very desirable machine, perfectly adapted to Slopes, unclimbing Lawns, Ridges and Valleys; and for the Croquet Ground is invaluable.

Send for Circulars, at

PARKER & GANNETT'S

Agricultural Warehouse and Seed Store,

No. 49 North Market Street, and
46 Merchants' Row, Boston, Mass.

my18-4t

Jersey and Ayrshire Cattle,

AT AUCTION.



Will be sold at Public Auction, upon the Farm of the subscriber, in Groton, Mass., on **Wednesday, the 12th day of June** next, at one o'clock in the afternoon—

Eight Jersey Cows and Heifers, and One Jersey Bull.

The animals are registered in the American Jersey Herd Book, and the description of them will be furnished by WM. A. CHASE, Groton, Mass.

Also, at the same time and place—

Twelve Grade Ayrshire Cows and Heifers.

GEO. S. BOUTWELL.

Groton, May 20, 1872. my25-3t

For Sale.

In Framingham Centre, 14 acres of good land, in prime order, half a mile from railroad station, very comfortable nine roomed Cottage House, some 4 roomed cottage for laborer, two Barns, the whole in excellent condition.

G. C. MAHON, Framingham.

my4-4teow

Milk Farm for Sale.

ONE of the best Farms in Old Concord, Mass, containing 100 acres. One mile from depot, on the Fitchburg Railroad, near churches, schools, etc., one hours' ride from Boston. Two houses with large elm and evergreen trees in front; good Barn and Tool House. One-half mile of best Concord Grapes, large Asparagus bed, 300 choice Pear and Apple Trees, etc. For further particulars, inquire of Samuel Staples, Old Concord, or of the Subscriber at No. 25 North Market Street, Boston.

jun20-tf J. W. BALDWIN.

For Sale.

One of the best Farms in West Sherborn. The late residence of A. P. WARE, on road leading from South Framingham to Holliston. Near depot. Contains about 60 acres of strong land suitable for any kind of farming; two story house with L; 8 large rooms. Barn, 35x50; large carriage house, all in good condition. 50 young trees in full bearing. Will be sold very low to settle estate.

Full particulars of

A. LENOX,
East Holliston Depot.

my4-6t*

For Sale or Exchange.

A Farm of 33 acres, near Lunenburg station, on the Fitchburg Railroad, subdivided, in order good cultivation, producing the best grass crops, and well fenced with stone wall; orchard of choice fruit; 400 Pear, 200 Apple, 100 Peach and Plum Trees, also 75 Grape Vines. New Barn, 60x40 cellar under boards and driveway, floor cemented and walls pointed; also a vegetable cellar, the walls pointed, and the drains under both. Store-room, with shed and corn chamber, 14x40. Never failing water, and a valuable mark for manufacturers who wish to the Barn. A brook runs through the premises.

Terms liberal, or will exchange for House property in or near Boston, at Fitchburg or Leominster Centre. Apply to JAMES H. MARSHALL, near Railroad Depot at North Leominster, Will also sell one Horse, Carriage, HAMILTON BROWN, Leominster Centre, or at Office of B. BROWN & SONS, No. 56 State Street, Boston.

my5 tf

A Fine Large Farm for Sale.

That fine large Farm belonging to the estate of the late Dea. Wm. Meade, of Rutland, is offered for sale. It is located in said Rutland, on the old Boston and Albany Turnpike, near the middle of the town, most convenient to church and school. The Farm contains about 145 acres, with a good suppy of wood and timber upon it. Also, one of the finest young orchards in the town, protected by a belt of young forest trees. There is on the farm a large two story house and two large barns, which are surrounded by a large ample yard and the road is now being graded, and the depot is expected to be within three-fourths of a mile of the house.

There is a fine wood lot situated in the westerly part of Rutland, containing about thirty-five acres, most of it heavily wooded. Also, a meadow lot, near the middle of the town, containing about eighteen acres, five of which is covered with a heavy growth of wood and timber.

One of the heirs owns one undivided half of the house farm, and the other heirs own a perfect title of the whole. The above described premises will be sold by license of the Probate Court for Worcester County, at Public Auction at the dwelling house on said premises, on **Wednesday, June 5th, 1872,** at one o'clock in the afternoon, by the subscriber, administrator of said estate.

Terms at sale. For further particulars, inquire of the subscriber, or of H. King, Rutland, near the premises.

WM. MEADE, Taunton, Mass.,
Administrator.

Rutland, Mass., May 7, 1872. my11-4t*

Capitol Harness Oil Blacking

AND DRESSING.

FOR softening, coloring, renewing and water-proofing Harnesses, Carriage-tops, Boots, Shoes, &c., &c. It will completely restore dry and mouldy leather, making it impervious to water, and is the only oil blacking that can be applied to dry leather with success. It will not *mould* or rub off. For sale by Saddlery Manufacturers and Grocers generally. Manufactured by the

CAPITOL OIL CO.,
71 Kilby Street, Boston, Mass.

Superphosphate

OF EXTRA STRENGTH. The richest Fertiliser in the market. Price $30 per ton. Ammoniated with Peruvian Guano, $45 per ton. For sale by

EDWIN THOMPSON & CO.,
82 Broad Street, Boston.

jan27-tf

EXCELSIOR LAWN MOWERS!

OF SIX DIFFERENT SIZES,

FOR HORSE AND HAND POWER.



These Mowers have been sold the last four years with unbounded success,—over 8000 in use and not a machine returned. Was awarded the grand **Silver Medals** at the New England, New Hampshire and New Jersey State Fairs with ten First Premiums last season.

Warranted to be the Lightest Draft, Easiest Handled, and Strongest Machine in Market.

For sale by the leading Seed, Horticultural, Agricultural and Hardware dealers in New England.

INQUIRE FOR THE

EXCELSIOR,

AND SECURE

THE ONLY RELIABLE MOWER IN USE.

PARKER & GANNETT,

46 Merchants Row,

—AND—

49 NORTH MARKET STREET,

BOSTON, MASS.,

GENERAL EASTERN AGENTS.

my11-8t

CALDER & OTIS,

FLORISTS

—AND—

FLORAL SEEDSMEN,

HOTEL BOYLSTON,

Tremont, cor. Boylston Street, Boston.

We take this method of informing our friends and the public, that we have leased for a term of years, the store corner of Tremont and Boylston Streets, in HOTEL BOYLSTON, for the purpose of transacting business as

FLORISTS AND FLORAL SEEDSMEN,

and dealers in all articles pertaining to the growth and cultivation of Flowers, and are prepared to furnish every description of Floral Design, suitable for WEDDINGS, PARTIES, FUNERALS, etc.; also Cut Flowers in quantity, and Plants in pots. We possess peculiar advantages in having, each of us, very extensive Greenhouses long established, the products of which we have hitherto sold at wholesale to the dealers in Flowers in Boston and New York.

A share of your patronage, which will receive prompt and courteous attention, is respectfully solicited.

Your obedient servants,

CALDER & OTIS.

AUGUSTUS P. CALDER, Residence and Greenhouses, Blue Hill Avenue, Boston Highlands.
THEODORE C. OTIS, Residence, Towerand St., Boston Highlands, Greenhouses in Wellesley. ap20-13t

E. E. LUMMUS,

DEALER IN

AGRICULTURAL IMPLEMENTS

—AND—

MACHINES,

GENERAL AGENT FOR

HOLLINGSWORTH SULKY HAY RAKE,
Young Warrior Mowing Machine,
DOUBLE HARPOON HORSE HAY FORK,
The Celebrated HUSSEY PLOW,
HURLBUT'S PATENT WOOD AND IRON BEAM PLOW,
RANDALL'S PULVERIZING HARROW,
Cultivators, Horse Hoes, &c. &c
Standard Super Phosphates, Mineral Fertilizers, &c.
and all Tools required for the Garden and Farm, at the lowest prices at

E. E. LUMMUS,

my4.tf No. 20 South Market St., Boston.

TO GENTLEMEN

About ordering a fashionable suit made to order, we would say our Custom Room now contains an ENTIRE NEW STOCK of the most stylish Foreign and American woolens to be found in Boston. We guarantee every garment shall be THOROUGH MADE, PERFECT FITTING and STYLISH. Please give us a call before leaving your order elsewhere. Remember, first class work and MODERATE PRICES, at

MERRILLS'

TAILORING DEPARTMENT,

12 & 13 Dock Square,

my11 Corner Elm St., Boston. 4t

AMERICAN AND FOREIGN

WATCHES,

Sterling Silver Ware,
Corham Plated Goods,
Paris Mantel Clocks,
Parlor Bronzes,
Stone Cameos,
Diamonds.

LATELY RECEIVED BY

PALMER, BACHELDERS & CO.,

No. 162 Washington Street,

my18-3t BOSTON.

Quidnesette Farm,

EAST GREENWICH, R. I.

IMPORTED Hampton Comet by Young Melbourne, dam Durindana, by Orlando, will make the coming season as above at $50 a mare; thoroughbreds, $100.

ap15-12t J. CARTER BROWN, 2d.

Eggs for Hatching.

FROM pure strains of Dark Brahma, $3 00; Light Brahma, $2 00; White Leghorn, $2 00; Golden Poland, $2; Sicilian, $2 00; Warranted true to name. Packed in handled cases. None C. O. D.

C. W. GLEASON,
Rock Bottom, Mass.

ap13-8t

Choice Fowls and Eggs.

PARTRIDGE COCHINS, DARK BRAHMA, PLYMOUTH ROCK, and 27 other varieties of Fowls and Eggs, for sale by

E. B. PERKINS,
238 Essex St., Salem, Mass.

Enclose stamp and send for Circular. jan26-tf

Eggs.

PARTRIDGE COCHIN EGGS for sale from the first premium Fowls and their progeny, exhibited at the 1st Annual Exhibition of Massachusetts Poultry Association, at Music Hall, Boston, February 15th. Price $6 00 per dozen. *Also other varieties.* Send for Circulars.

JACOB GRAVES & CO.
26 North Market Street.

mh9-12t

Partridge Cochins.

AT the First Annual Exhibition of the Massachusetts Poultry Association, held in Music Hall, Boston, Feb., 1872, I took the First Premium of the Class, the First Premium of the Association and two Special Premiums of $10 each for the best Trio and the best pair of Fowls. Eggs for sale $10 per dozen. Young Partridge Cochins for sale in the Fall.

EDMUND TUCKER,
Canton, Mass.

mar30-13t

Do Your Fowls Pay!

IF NOT, try my pure bred stock LIGHT BRAHMA EGGS for Hatching, $1.50 per dozen, or $2 per sitting for $4.00. Apply on the Crafts Place, Brookline, or address

J. B. TILLEY,
West Roxbury, Mass.

m 4-tf

For Sale.

OYSTER SHELLS, burnt, slacked and unslacked. Oyster Shells, and Ground Bone for Fowls. Wheat Screenings and other Grain at wholesale and retail. Also all varieties of Fowls for sale at 26 North Market Street, Boston, by

JACOB GRAVES & CO.

jan15-tf

Eggs for Hatching.

FROM pure bred Fowls, Partridge Cochin, $5 a dozen; Dark Brahmas, $4 a doz.; Light Brahmas, Houdans, B. B. Red Games, Duckwing Games, $3 a doz.; Shellbarks, $2 a doz. Aylesbury and White Muscovy Ducks, $2 a doz. Also a few pairs or trio of White Muscovy Ducks for sale.

N. E. BENNETT,
Abington, Mass.

ap20-7t

Price List of Eggs.

FROM the best selection of Pure Bred stock. Partridge Cochins, $4 00; Buff Cochins, $3 00; Dark Brahmas, $2 00; Light Brahmas, $2 00; Houdins, muffed, $2 00; Black Breasted Red Game Bantam, $2 00. Eggs procured from any other kinds of Fowl desired. Also Fowls for sale at reasonable prices.

E. F. FRENCH,
East Abington, Mass. Box 65

ap6-16t*

Plymouth Rock and Pigeons.

EGGS NOW READY. Address, with stamp

W. E. CARPENTER,
Shrewsbury, Mass.

ap27-cow4t

WARRIOR MOWER.



STANDARD MOWER OF AMERICA.

Six years successful use in the field has proved this Machine to be superior in mechanical construction, lightness of draft, ease of management, and capacity to do good work under all circumstances. It has received the First Premium at over fifty Trials and Fairs the past season.

Our prices are set as low as they possibly can be to insure the most perfect workmanship and the very best quality of material; and when a machine is offered for less money, please remember that THE BEST IS ALWAYS THE CHEAPEST. Every machine made by us is fully warranted and satisfactory guaranteed the purchaser.

In claiming a superiority for the Warrior Mower over others, we would call especial attention to the following points:—

Our Guards are nearer together than those of any other machine, being only 2½ inches from centre to centre, which is a very desirable feature for the following reasons:

1st. It is almost impossible to stone the knives.

2d. It renders the Guards less liable to break.

3d. It takes less power to do the work, because the grass is more evenly divided, is collected in smaller bunches and consequently cut easier; and because narrow sections require less throw to the crank, which is shortened and the work brought nearer the power applied.

The Finger Bar has a wabbling or rolling motion in its length, allowing the points of the Guards to rise or fall and to rise out of dead furrows or run over cradle knolls with ease.

The Driving Wheels are eight inches further apart than in most other machines, which allows them to run in the track made for them by the Track Clearer, and thus avoid running over the cut crop.

The Gearing is of the kind called "Planetary," and is entirely encased in an iron shell, which encircles the Axle-tree and KEEPS OUT ALL GRASS AND DIRT FROM THE COGS AND GEARING.

The Frame is of iron, so arranged and balanced that it brings NO WEIGHT ON THE HORSES' NECKS, AND ENTIRELY PREVENTS ALL SIDE DRAFT.

The reputation of our machines has been fully established, and their superiority over all others is acknowledged by the voluntary testimonials of leading and practical farmers wherever they have been introduced.

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First Prize - - Gold Medal

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The Hollingsworth Rake is the only Adjustable Compound Spring Tooth Rake made and therefore the only one that will work perfectly in rough, uneven ground.

The Teeth are of Cast Steel Spring Tempered. It is substantially timbered and ironed, and finished in the best manner possible.

It is the only Rake furnished with

A ROCKER FRAME,

THE PERFECT WORKING OF OVER

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Distributed through the whole United States, within the past five years, with but a limited effort on our part, has made it so widely known as the

"KING OF THE FIELD,"

that no further recommendation is necessary.

It is offered to Farmers for the season of 1872, as

THE BEST RAKE

ever put upon the market, both for the superiority of its work, its unequalled construction and durability, and the variety of work to which it can be applied.

We also apply

A SEED SOWER

to our Rakes, which will sow all kinds of Grass and Flax Seed, and which will supply the many farmers who have made application for an implement of the kind:

A Rake and Seed Sower Combined.

MANUFACTURED BY

JOHN DODDS &

The Poet's Corner.

MADRIGAL.

O thrush in the hidden branches!
From thy court of green leaves sing;
For thy wondrous song enhances
The splendor of the spring.
Raindrops on the hawthorn glisten,
My lady is coming this way:
Sing throstle that she may listen
Unto thy thrilling lay.

Come winds from the south and murmur
Thro' the trees in the dusky grove,
And send your sweet breath still warmer,
Onward to meet my love.
I will gather a wreath of flowers,
I will weave her a garland fair
Of the fragrance from the bowers,
To bind around her hair.

There comes a song from the river,
Borne on by the sephyrs that pass,
And faintly I hear a quiver
Of silk that sweeps the grass.
O darling! I wait to greet thee,
Where the thrush and the blackbird sing;
O love! I will haste to meet thee,
For thou art my heart's bright spring.

Ladies' Department.

From the Lady's Journal.

WHAT A STAIRCASE DID.

"A rich girl actually cannot have a career! The romantic element never touches her life. Her existence is measured out; she knows as literally what it is to be, as if she had bought and paid for it at some stylish store, with Fate for a saleswoman."

And Ruthie Moore sat quite erect in her sleepy hollow, and played with the rings on her tapering fingers, in a sort of rebellious contempt.

Nell, her younger sister, dropped her embroidery to look at her with wide, wondering eyes. She went on:

"Now, there is Lucille Wood, a poor, plain governess, suddenly transformed into the adored heroine of a thrilling romance. We grow to young ladyhood, our lives unstirred by even the suggestion of an incident; we accept with fashionable indifference some rich fellow, order an outfit from "the other side," and begin in a new establishment on Fifth Avenue. *That* comprehends the fullness of the fullest experience meeted to a rich girl's life. I am perfectly disgusted!"

Then followed a long silence, in which Ruthie took her rings off and put them on over and over again, and Nell's bright face wore an expression of deep thoughtfulness; whilst the scholarly looking new boarder, whom the girls unconsciously held prisoner by their position, sat screened by the drapery of the bay window, a half amused, half interested smile breaking up the quiet of his lips.

At length Nell exclaimed, in the tone of one who had met a difficulty and mastered it:

"Ruthie, I have it! We will both die of the horrors if we stay at Madame Lareau's another week. Let us coax papa to find us a farm house for a couple of months, instead of Saratoga or the Branch."

Ruthie brightened utterly, catching her breath as if a fresh breeze had swept her discontented face—

"Nell, you are a jewel! Come—let us pack our trunks." And with characteristic impetuosity and innate energy, that kept her restless and discontented because constantly suppressed, Ruthie sprang up and left the drawing room, followed by her younger sister.

All the next week the girls, restless and excited, quite forswore their late breakfast hour, and had had their coffee before their father. He had been a widower for many years, and his girls were his idols. Their slightest wish was always gratified. The new boarder breakfasted late; he dined at five; they always waited until six for Mr. Moore. So they never met, and would not have known he was in the house if it had not been for Carrie Loomis, who burst into the room every day with some fresh extravagance as to his general perfections.

She sat next him at table, and had grown quite well acquainted. This same Carrie Loomis was what Ruthie styled the insufferable bore of their tame lives. They had kept their projected trip a profound secret; for they were Carrie's models for fashion and her criterion of action, and Ruthie had vowed, if she found out their farm house and applied for board, she would never go one step. So she knew nothing about it until the day before they left.

She had talked of them a sight to the scholarly looking new boarder. He had a way of leading people to say a great deal, and not saying much himself. There was an odd look on his quiet face, and a merry twinkle in his blue eyes, that the grave life seemed struggling to subdue, when she told him *where* they were going.

That evening at dinner his place was vacant, and again the next morning at breakfast. Her womanish curiosity could endure it no longer. She waylaid a chambermaid, and put the question.

"Sure, miss, it's locked his door is after been, and the mistress said his room was to stay as it is, as he had gone on a short visit to one of his kin."

The next evening, in the early twilight, a young farmer met the two girls at one of the Hudson River landings, and, with a merry light in his eyes, and a rare sort of grace that contrasted oddly and pleasantly with his farmer's clothes and broad rimmed, coarse straw hat, lifted these two beruffled and paniered bits of the great fashionable whole into his uncouth, bulky wagon, and, springing to the seat in front of them, whipped up the horses.

There had been a heavy June shower and the wheels were muddy; they had left their traces on Nell's new travelling dress as she had climbed in. She looked at it ruefully; then at Ruthie's.

Hers was quite muddy, too; but she did not seem in the least to mind it, and was talking animatedly to the farmer—going into girlish raptures over the scenery, now quite bathed in purple twilight.

Nell looked at her in puzzled surprise. She actually snubbed the most of their elegant city friends, and was generally so reserved that a stranger found it an utter impossibility to become acquainted; now, everything this farmer said, in his humorous, intelligent way, seemed to interest her, and she met him with a respectful frankness pretty to see. It was a ride of five miles; the road was sinuous, and commanded a wonderful variety of scenery. Now it wound at the mountain's base, now skirted the bank of the river, and now lay through an extended patch of woodland. They seemed piercing to nature's inmost penetralia.

At length the horses turned into the well shaded lane that found its terminus at the front garden gate of an old fashioned farm house. A large, stalwart farmer left the portico, where he had been reading his paper, and came out to meet them.

"Uncle Nathan, these are the Misses Moore," the younger man said, and sprang out, calling a lad to help him with the trunks, whilst Uncle Nathan lifted them to the ground, his voice full of heartsomeness, and his great, rough hands as gentle as a woman's.

A plump little lady, with hair like her husband's—iron-grey—and with infinite suggestions of dimples in her ruddy cheeks, and a wonderful mellowness in her happy voice, met them in the door. There was none of the cold formality of city etiquette in her manner, but a cordial hospitality that instantly called forth response. Ruthie gave her both her hands, whilst Nell, with characteristic impulsiveness, kissed her.

Mrs. Holmes had never been a mother, and the lovingness of her large heart, failing of that satisfaction, accepted in its place, and was joyous in a sort of universal aunthood. Thus the girls, naturally and without permission, called her Aunt Amy, from the first. She led the way to their room up a flight of steep, winding stairs that would utterly shock a modern architect.

Nell stumbled twice before she reached the top, whilst Ruthie exclaimed in half-shocked, half-laughing surprise:

"Why, Nell!" little dreaming that those very stairs should hold the revelation of her future; and another exclamation, "Why Ruthie!" should prove the open-sesame to her unseen fate.

It was wonderful how soon they all became acquainted.

Aunt Amy was one of those people who accomplish a wonderful amount of work, yet never seem hurried, and have a large stock of spare time on hand; and Neal—for such was the younger farmer's name—seemed privileged to turn over his work to somebody else whenever he felt so disposed, and was always on hand for a fishing, boating, or riding expedition.

Ruthie mentioned the fact to Nell one day, saying, it was a pity he felt it incumbent upon him to entertain them, he must find it an inconvenience.

But Nell, less considerate, and used to being spoiled and humored, replied:

"Pooh! he enjoys it as much as we do, in his quiet way; and as to working, why Ruthie, my honest opinion is, he is lazy, and would not work even if we were not here. Look at his hands, they are white enough for a lawyer's."

They held this conversation in the old-fashioned parlor, one afternoon, while the young farmer, smoking his meerschaum on the portico, heard every word.

A little later Ruthie stepped out and found him there. With innate courtesy, that seemed to understand every little point of etiquette, he laid aside his meerschaum. She noticed it and thanked him, in that pretty, respectful way of hers.

The girl had grown wonderfully observing; nothing escaped her, in this new life and companionship. Then there was a little silence; she remembering, a trifle uncomfortably, the conversation in the parlor, and calculating the chances of his having overheard it.

Suddenly she became conscious that he was watching her, with that look of grave amusement peculiar to him.

This fashionable young city girl, who had flirted until she held it in contempt; who, accustomed from childhood to society, could meet any contingency with her cold elegance of manner, constantly found herself brought to confusion by this quiet young farmer. The consciousness of his power, half-interested, half irritated her. That he had not only overheard the remarks, but knew perfectly well what she was now thinking of, she felt sure; so, determined that he should not know how completely he could embarrass her, she looked full into his blue eyes, and said, with a sort of daring frankness:

"Mr. Neal, did you hear what Nell and I said, a few minutes ago?"

He laughed his low, teasing laugh—it was all the answer the question was doomed ever to receive—for suddenly there was a scramble and a tumble, and Nell, as she did regularly a dozen times a day, rolled down that funny, provoking staircase, and landed, a half laughing, half-scolding heap at their feet, which was quite at the portico door. Neal lifted her up. It seemed as if he was always on that portico when she fell. Ruthie got to quietly tossing her about it, saying, "She reckoned she fell for the sake of the lifting; and the young girl more mortified than she liked to acknowledge, would each time solemnly resolve that, in the future, she would actualy pick her steps, but, in her hurry and impetuosity, always forgot. She was constantly on the watch for a chance to turn the tables on her sister, but Ruthie had never tumbled once. She was perfectly self-reliant.

Then, on their pleasure expeditions, she would even climb a fence, in her independent fashion, whilst Nell, even with Mr. Neal's help, would always either catch her dress or her feet. Often, when they had occasion to cross one of the Hudson's many little tributary streams, Ruthie would bound over the round log that served as a bridge, with a sure step, whilst she, even clinging to Neal's hand, would slip, and once or twice he had been forced to even throw his arm around her, to keep her from falling. At such times he had said, in his quizzical way:

"Miss Nell, I *had* resolved never to take any woman in my arms, excepting my wife. What are we to do about it?"

When he had said it, Nell had seen Ruthie look at him, with a strange, startled expression, that had set her to wondering.

One day, the three were out riding in the large, old fashioned buggy. Neal sat between them. Nell and he had kept up a constant talking—or rather Nell had—for he had been drawing her out quite unconsciously to herself, leading her to give her opinions and reasons on a dozen different subjects, the last of which was love.

She discussed the immortal passion in the unsophisticated love-in-the-cottage style of a girl of sixteen. Ruthie had been a silent listener. Suddenly he turned, and faced her, saying abruptly:

"And you believe that none but a governess, or the woman whom fate decreed should be born penniless, should ever comprehend the fullness of love. You believe that fate deals out to the rich girl simply an establishment, and utterly denies the love that can beautify the rudest home."

The girl started, whilst Nell exclaimed, wonderingly:

"Why, Mr. Neal, I have heard Ruthie say that very thing."

At that moment they met an ox-cart. A farmer was seated in it, his elbows on his knees, his face comfortably planted in his hands, seeming to enjoy the beasts' slow, lazy motion. Neal and he saluted each other with great cordiality, then the former introduced him to the girls.

"Boarding up to Uncle Nathan's! Yes I've hearn about 'em."

And he gave them a cool looking at, as if he had "hearn about 'em" was true.

Ruthie looked amused; Nell's eyes fairly danced,

"They're mighty purty gals," he said in a perfectly audible undertone to Neal, adding, "The one with the black eyes is as handsome as a pictur'."

Nell snickered—Ruthie blushed. Neal coolly turned around and looked at her, as if to test the farmer's assertion. That made the blush brighter. The next remark was an infinite relief.

"So, my lad, you had to go to Germany five years to learn to be a farmer."

There was a deal of affectionate teazing in the farmer's voice. Neal threw back his head and laughed. Ruthie and Nell looked at each other in blank surprise. Neal did not contradict him, and the farmer drove on, saying to himself:

"The boy has the same merry, honest face on him, even if he has been loafing at one of hem Dutch Universalist."

As they drove on, there was a few moments' silence; then Nell's curiosity could stand it no longer.

"Why didn't you tell us before that you had been abroad?"

"I didn't tell you now," he said, smiling.

"I thought you had always lived here, though you did look—" And she stopped in confusion. She was going to add "wonderful fine manners." He knew it quite as well as if she had finished it, and looked amused. Ruthie made eyes at her; but Nell utterly wretched with curiosity, would not meet them, but persisted—

"What did you study for, Mr. Neal?"

"To learn," he said, gravely.

"You know very well what I mean. Why don't you tell us all about it? You are no friend at all," pouting.

He turned and looked at her, in his kind, quiet way—"I am your friend, Miss Nell, for all."

There was a certain intonation in the pronoun that attracted Nell's attention and Ruthie's, too; for she said, in a half frank, half startled way:

"That *your* seems meant for Nell alone. Did you intend to exclude me?"

He looked at her an instant, then turned his back to them, and gave his attention to the horses.

At that look the girl flushed to her very temples. The rest of the ride Nell actually suffered with baffled inquisitiveness.

What had Ruthie done to offend him? There was something in his quiet manner which utterly precluded the thought of a question, and her sister looked as if, did she but dare to speak to her, she would cry.

There was not another word spoken until they drew rein at the farmhouse. Whilst he was lifting Nell out, Ruthie sprang from the other side, and went into the house.

Nell ran after her, and in her haste to get up stairs, stumbled three times, then burst into the room, exclaiming:

"Bother take those stairs—they'll either break or make us yet!"

"*Us*, Nell?" said Ruthie, from the window, where she stood cooling her cheeks, her back to the room.

"Yes, sa; for I am perfectly convinced you will have your turn yet." Then went on, almost in the same breath: "That accounts for his white hands and scholarly look. I always thought he had it, though it seemed silly to say so about a farmer. It is wonderfully queer Aunt Amy or Uncle Nathan never said anything about it. I shall ask them."

But there was another question to be asked first. She had a struggle between kindness and curiosity. The latter conquered, thus satisfying itself. "It would be an absolute relief for her to tell, because then I could sympathize with her."

"What is he offendde at you for, deary?"

The only answer was a shake of the head, and a persistent looking-out at the window. Any further attempt would be useless, she saw; so tossed aside her hat, made her evening toilet, and ran down to Aunt Amy, saving herself from falling the last half-dozen steps by jumping them. She found that lady in the dining-room arranging the table for tea.

"Aunt Amy, why didn't you tell us that Mr. Neal had been in a German university five years!" We thought he had always lived here."

"Did he tell you?" with her little, low, merry chuckle.

"No, but a farmer we met on the road did."

"Served him right, the rogue!" said his aunt. Then went on: "It was one of the youngster's whims. He came here the night before you, as he said, to have a grand old vacation. When we told him you were coming to board, he seemed highly delighted, hunted up a trunk of old clothes he had left here; made your uncle and I promise to keep his secret, and said we would have the sport of seeing how two fashionable city girls would treat a young farmer."

"And—well?" exclaimed Nell, in an ecstacy of delight at the romantic little plot they had actually, without knowing a thing about it, been taking part in.

"Well, dear, you have both quite satisfied us all; and, as to Neal, it is my honest opinion he is caught in his own trap."

Sometimes an idle, thoughtless speech may prove a prophecy. Whilst Nell was finding out all this from Aunt Amy, Ruthie, by actual demonstration, was testing the truth of Nell's assertion.

She had stood in the window a long time, remembering, with burning cheeks and quickening pulse, the look that had been in Neal's blue eyes. It puzzled, even bewildered her. As we have already said, this girl had been a sad coquette, so now, judging from her old stand-point, she said, contemptuously to herself:

"He is nothing but a flirt after all," and felt a great throb of disappointment as she said it. Then thinking, with a little sorrowful curl of her lip, how she had been dreaming all this time since Nell had gone down, she added: "I will meet him on his own ground," and turned into the room.

She looked unusually handsome when, a few minutes after, she stepped into the hall, in her evening toilet of flowing black grenadine, and pink corals.

Then there were the first half dozen steps, with her sure light foot; suddenly a slip; a vain out-reaching for help; a rapid, dizzy descent, and she was in a pair of strong arms, whilst a voice full of many different elements, teazing surprise, anxiety, and a deep, earnest tone broke into the exclamation:

"Why, Ruthie!" Then she was released, and stood face to face with this quiet scholarly young farmer, and in that moment, she knew what she had never before, neither could, nor would comprehend, that she loved him.

In utter confusion, she turned, and would have run up the very stairs, which had, just as Neil predicted, broken her, but he caught her hand, and drew her back. Then, bringing her averted face full to view, said:

"Ruthie, I love you, and you——"

A few minutes later, Nell came on the portico with two letters, one for each of them from father, and started with a sudden "Oh!" at finding Neal sitting quietly by Ruthie, with both her hands in his, whilst he was saying something that made her outblush her corals. He made room beside them for her; she took the seat, bashfully. Ruthie could not look at her.

Neal made no explanation, but let them read their letters, enjoying, to the full, their pretty confusion.

Ruthie's was kind and loving, and to her and Neal, conjointly, for he had written, and gained her father's permission to address her.

Nell read her's with a series of exclamations, and at length burst out with—

"You are Carrie Loomis's scholarly new boarder, and was in the bay window the day we planned our trip! To think we have been calling you by your first name all this time!"

He laughed, evidently Ruthie knew all about it. Nell looked at her half-bashfully, half-teasingly, and asked her why she was so quiet.

"She fell down stairs and I caught her," explained Neal.

Nell clapped her hands in ecstacy.

"I knew you would fall down those stairs, yet. Don't it feel funny?"

Even Ruthie laughed. Nell went on banteringly:

"After all, a rich girl can fall in love, even if she has to fall down stairs to do it. I said those stairs would either break or make us, and they have done both for you, Ruthie' Broken your pride, and made you—engaged.'.

A WORD TO FATHERS.

We have read a story of a little boy, who, when he wanted a new suit of clothes, begged his mother to ask his father if he might have it. The mother suggested that the boy might ask for himself. "I would," said the boy, but I don't feel well enough acquainted with him." There is a sharp reproof to the father in the reply of his son. Many a father keeps his children so at a distance from him that they never feel confidentially acquainted with him. They feel that he is a sort of monarch in the family. They feel no familiarity with him. They fear him and respect him, and even love him some, for children cannot help loving some everybody about them; but they seldom get near enough to him to feel intimate with him. They seldom go to him with their little wants and trials. They approach him through the mother. They tell her everything. They have a highway to her heart on which they go in and out with perfect freedom. In this keeping off plan fathers are to blame. Children should not be held off. Let them come near. Let them be as intimate with the father as mother. Let their little hearts be freely opened. It is wicked to freeze up the love fountains of little ones' hearts. Fathers do them an injury by living with them as strangers. This drives many a child away from home for the sympathy his heart craves, and often into temptation and sin. It nurses discontent and mistrust, which many a child does not outgrow in his lifetime. Open your hearts and your arms, oh, fathers; be free with your children; ask for their wants and trials; play with them; be fathers to them truly, and they will not need a mediator between themselves and you.

A NEW ARROW FOR LOVE.

He comes with such a witching way
What can I say?
He pleads a little, then he smiles,
Which so beguiles!
Sometimes a great round tear he shows,
Which he says flows
Because his arrows find no mark
Upon my heart!
Then, chubby knees are bent in prayer—
"I *sound* one there!"
Then quivers dropped, and bows unstrung—
"He's to be hung,"
Unless an arrow he can find
To change my mind.
So, day by day, the question wears,
With all its prayers.
A shining ring around my feet,
Where bright eyes meet,
As ever round and round it turns—
And sometimes burns
Me, for my waywardness and fun,
Because not won.
Well—I've made up my mind for *once*,
(Being no dunce,)
That till the arrow *can* be found,
Above the ground,
Whose point shall bear a diamond light
To give Love sight,
I'll keep on teasing with my fun
Till it is won.

HUSBANDS AND THEIR WIVES.

Some husbands never leave home in the morning without kissing their wives and bidding them "good bye," in the tones of unwearied love; and whether it be policy or fact, it has all the effect of fact, and those homes are generally pleasant ones, provided always that the wives are appreciative, and welcome the discipline in a kindly spirit. We know an old gentleman who lived with his wife over fifty years, and never left home without the kiss and the "good bye." Some husbands will leave home without saying anything at all, but turn round at the last point of observation and wave an adieu. Some never say a word, rising from the breakfast table and going out with a heartless disregard of those left behind. Their wives seek sympathy elsewhere. Some husbands never leave home without some unkind word or look, thinking that such a course will keep things straight in their absence. Then, on returning, some husbands come home pleasant and happy, unsoured by the world; some sulky and surly with its disappointment. Some are called away every evening; some doze in speechless stupidity, until bed time. "Depend upon it," says Dr. Spooner, "that home is the happiest where kindness, and interest, and politeness, and attention are the rule on the part of husbands."

FLOWERS AS TIME KEEPERS.—Linnæus,

a great student of nature, once made what he called a floral clock. It consisted of three divisions; first, those flowers that by their opening or closing foretold the weather; second, those that opened at sunrise and closed at sunset; and lastly, flowers that opened and closed at fixed and invariable hours. He had a flower representing every hour of the day and night, and these were always exact in telling the hour. The African Marigold opens constantly at seven o'clock and remains open until four, if the weather be fair. If it does not open, or if it closed before that hour, it is certain that rain will fall during the day.

☞ The Lord sees one man, out of accumulated millions, building a church, sumptuous in its magnificence; another endowing a college; another creating a hospital; and he hears the applause lavished upon these acts and upon their authors. Then he sees the seamstress giving a half dollar from the scanty earnings of her busy needle; he sees the mechanic taking an hour out of the midst of a working day, in order to have time for religious labor; he sees the toils, the privations, unheralded, unknown, of the missionary in Burmah, in Nestoria, in Nebraska; and he estimates all these according to the love they express and the sacrifice they involve.

☞ The following are the leap year ball room regulations established by the ladies of St. Louis:—"No gentleman can enter the supper room unless escorted by a lady; the lady managers will see that no gentleman is neglected."

TO AMERICANS GOING ABROAD.

There is a good deal of sound counsel in these paragraphs from the last number of the *Scottish American Journal*:

Americans have not yet learned thoroughly to enjoy Europe, though Europe has learned, very thoroughly, to enjoy them. The fame for liberality and for the potentiality of being fleeced of the English *milord* is beginning to pale before the prodigal expenditure of the American on his travels. British peers stand aghast at the rents paid by American bankers and merchants for Scottish moors, and native tourists deplore the accelerated rate of the demoralization of waiters at Highland inns, produced by the recklessly distributed half sovereigns of the American visitors. Americans might spend a good deal less in Europe and enjoy it a good deal more. The eight days' scamper of a Cook's excursionist across the low countries, up the Rhine, and home by Paris, is leisurely, compared with the hot haste described in Charles Lever's novels, but he still acts as if his only aim in getting away from home was to get as quickly back again as possible.

Year by year the Americans will learn better what is the true method of enjoying a European tour. Their wives and daughters will learn that a trip across the Atlantic can be made to yield higher delight than even a dress designed by Worth or than the ability to buy silks at half price. Meanwhile the influence of European experience is becoming perceptible in the tone of American society and in the current of American public opinion. The ignorance of a certain portion of the British public in regard to continental Europe found its counterpart, until lately, in the absurd notions entertained by the average American about all things European. Excellent as it is, in most respects, the system of education adopted in the public schools of the United States, their methods of imparting historical and geographical information are hardly calculated to give the pupil a correct idea of the relative importance of the past and present nations of the world. The boys of the United States have grown up to be men, and very often highly successful men, with very little more knowledge of the world outside of the Union that they got at school. To hundreds of Americans it has been a genuine surprise to find European cities better paved, better cleaned, better governed altogether, than anything they had known at home. To find that the subjects of Queen Victoria were not apparently less free by reason of their subjection, and that people might live under a monarchy and speak their mind on public questions as freely as they would in New York, come unquestionably to many Americans in the light of a new revelation.

☞ A WORD TO THE MODESTY OF WISDOM.

The story sent from the sea by Agassiz, concerning the queer fish that launches its home made cradle, and its young, to sink or swim together, reminds me of my first interview with that enthusiastic solver of nature's puzzles. It was on board a Hudson river steamer, just twenty years ago, that I put both my ears at the service of Agassiz. He did all the talking, and I listened for two hours to the stories he told about the wonderful things he had seen. Never was narrative more picturesque. It sparkled with wit, and was as profound as an abyss in the Alps. It was conversational, and it was learned. It was the epitome of forty years of diligent study, minute observation and tireless energy. Agassiz had just completed his survey of the Florida reefs, a delicate and difficult service, which he had undertaken for the purpose of discovering the methods of the coral family. He found the members of the family at home, busily engaged in their domestic avocations, and introducing himself without a moment's hesitation, he became the supervisor of their house building operations. The little creatures, not so big as atomies, revealed themselves to him as they never before were revealed to mortal man. He spoiled his garments by wading about among the foundations of the coraline structures, and he used up microscopes and note-books without number; but in the end he found what he wanted, came to the North with his budget of wonders, and hied to Albany early in the following summer to lay the results before the American Association for the Advance of Science. Requested to give a newspaper correspondent the story, "in advance of publication," Agassiz good naturedly consented—and that is the way in which I came to hear what he had to say. Agassiz was then in the prime of life—a handsome man of forty, with well rounded figure and easy carriage, an eye that had a laugh in the corner of it, and a voice which was all the more musical because the words were a mixture of French and English.

"I have seen ze coral in his house," said Agassiz; "I have watched him at ze wonderful work he does, and zere is nosing more wondareful than ze reefs zat he builds on ze Florida coasts," etc. etc.

Presently a listener ventured a compliment to the Professor, upon the extent and variety of his investigations into the secrets of nature, to which his ready and modest reply was:

"My dear sir, ze longer I live, ze more I find I know nos'ing!"

That was the point that I wanted to bring out when I began to speak of Agassiz.

The charming modesty of the man is beyond all praise. He has not lost this virtue, now that he has turned sixty and is full of honors and fame. Once when "toasted" at Erastus Corning's house in Albany, he blushed like a girl at the compliments bestowed upom him—and I have no doubt that when the Hassler returns from her cruise, and Agassiz is dined and wined by admiring friends, his cheek will once more take the color of the rose.—*Com. Adder.*

HEREDITARY INFLUENCES.

It is distinctly asserted by Prosper Lucas, and agreed to by others, that predisposition to any form of disease, or any malformation, may become an inheritance. Thus disease of the heart is hereditary; so are tubercles in the lungs: so also are diseases of the brain, of the liver, and of the kidney; so are diseases of the eye and of the ear. General maladies are equally inheritable, as gout and madness. Longevity on the one hand; and premature deaths on the other, go by descent. If we consider a class of peculiarities, more recondite in their origin than these, we shall still find the law of inheritance to hold good. A morbid susceptibility to contagious disease, or to the poisonous effects of opium, or of calomel, and an aversion to the taste of meat, are all found to be inherited. So is craving for drink, or for gambling, strong sexual passion, a proclivity to pauperism, to crimes of violence, and to crimes of fraud.

There are certain marked types of character, justly associated with marked types of feature and of temperament. We hold, axiomatically, that the latter are inherited, (the case being too notorious, and too consistent with the analogy afforded by brute animals, to render argument necessary,) and we therefore infer the same of the former. For instance, the face of the combatant is square, coarse, and heavily jawed. It differs from that of the ascetic, the voluptuary, the dreamer, and the charlatan.

Still more strongly marked than these, are the typical features and characters of different races of men. The Mongolians, Jews, Negroes, Gipsies, and American Indians, severally propagate their kinds: and each kind differs in character and intellect, as well as in color and shape, form a class of instances worthy of close investigation, in which peculiarities of character are invariably transmitted from the parents to the offspring.—*Francis Galton.*

RUSSIAN LADIES.—The ladies in Russia are very anxious to marry, because they have no liberty before marriage. They are kept constantly under the paternal eye until given up to their husbands, and then they take their own course. Almost as soon as a girl is born, in the better rank of society, her parents begin to prepare the dowry she must have when she goes to her husband. She must furnish everything for an outfit in life, even to a dozen new shirts for her coming husband. The young man goes to the house of his promised bride, and counts over her dresses, and examines the furniture, and sees the whole with his own eyes before he commits himself to the irrevocable bargain. In high life such things are conducted with more apparent delicacy; but the facts are ascertained with more apparent accuracy, the business being in the hands of a broker or notary. The *trousseau* is exposed in public before the wedding day.

☞ True faithful workers are always in demand. Idlers are wanted nowhere. Do your duty and do it well. The labor may be humble; the field may be small; no matter do your best. He who is unfaithful in little things, is not to be trusted in great affairs.

A TELEGRAPH STORY.

I think the most curious fact, taken altogether, that I ever heard of the electric telegraph, was told me by a cashier of the Bank of England. You may have heard of it. I am sure it deserves to be. "Once upon a time," then, on a certain Saturday night, the folks at the Bank could not make the balance come right, by just £100. This is a serious matter in that little establishment; I do not mean the cash, but the mistake in arithmetic; for it occasions a world of scrutiny. An error in balancing has been known, I am told, to keep a delegation of clerks from each office at work sometimes through the whole night. A hue and cry was of course made after this £100, as if the old lady in Threadneedle street would be in the Gazette for want of it. Luckily on the Sunday morning, a clerk, (in the middle of the sermon, I dare say, if the truth were known,) felt a suspicion of the truth dart through his mind quicker than any flash of the telegraph itself. He told the chief cashier on Monday morning, that perhaps the mistake might have occurred in packing some boxes of specie for the West Indies, which had been sent to Southampton for shipment. The suggestion was immediately acted upon. Here was a race, —lightning against steam, with eight and forty hours start given. Instantly the wire was asked, "Whether such a vessel had left the harbor." "Just weighing anchor," was the answer. "Stop her!" frantically shouted the electric telegraph. It was done. "Have up on deck certain boxes marked so and so; weigh them carefully." They were weighed; and one—the delinquent,—was found by just one packet of a hundred sovereigns heavier than it ought to be. "Let her go," said the mysterious telegraph. The West India folks were debited with just £100, more, and the error was corrected without ever looking into boxes, or delaying the voyage by an hour. Now that is what may be called "doing business."—*Henry Rogers.*

BRIGHAM YOUNG.—A Salt Lake correspondent of the San Francisco Chronicle thus graphically sketches a Sunday service in the Mormon Tabernacle: "Seated in the centre aisle, wrapped in an overcoat and having his throat closely bound by a huge red silk handkerchief, his parti-colored hair combed back from his high but narrow forehead; with broad jaw and clean-shaved lip and porpoise-looking eyes, shooting quiet satisfaction from beneath shaggy eyebrows, was the 'Profit' Brigham Young. The great organ (nearly as large as the Boston Wonder,) with seven hundred and fifty feet of gold leaf, which in itself is an item of some interest, pealed forth a wholly sonorous but mechanical anthem, and brother Brigham arose (a prayer had been previously spoken; with all the *nonchalance* of an extemporaneous effort of Brig. Jr.,) and these were his words: 'Good morning.' 'Very well,' from the host. 'How do you do?' 'Bully, first-rate,' &c., from ditto. 'How do you think I look?' 'Good.' 'How do you think I look after my long confinement?' 'Good, first-rate,' &c. 'How are you in regard to the faith?' 'All right,' from all. He then skirmished around the Scriptures without opening them, and ended in a pathetic outburst asking for 'peace.'"

☞ What is the most desirable age of life? We put this question to a few friends lately, and received the following replies, but do not consider any of them satisfactory: A banker thought coin-age the best age; a tailor, cabb-age; a soldier, pill-age; a toper, vint-age; a vicar, vicar-age; a hungry man, saus-age; an ambitious lady, a carri-age; a brave man, cour-age; a dram drinker, drunkenness; a joker, badin-age; a musician, bandage; a slave owner, bond-age; a laborer, cott-age; a Scotchman, porr-age, and two silly fools, marri-age.

GOOD MEN MAKE GOOD HORSES.—A horse is never vicious or intractable without a direct cause. If a horse is restive or timorous you may be sure that these faults arise from defects in his education. He has been treated either awkardly or brutally. Commence the education of a horse at his birth; accustom him to the presence, voice and sight of man; speak and act gently; caress him, and do not startle him. All chastisement or cruelty confuses the animal and makes him wild. They are good men who make good horses.

Domestic Economy.

VALUABLE RECIPES.

STRAWBERRY SHORT CAKE.—Rub a large spoonful of lard and one of butter in one quart of sifted flour; put in a little salt, and make a dough of cold water. Roll it out in thin cakes about the size of a breakfast plate; put in a layer of strawberries with a light sprinkle of sugar, then another cake of dough, another layer of strawberries and sugar, with a top layer of dough. Bake it slowly in an oven or stove, and eat for lunch or for dessert, with sugar and butter sauce.

Anecdotes.

A Yankee passing along a street was painfully bitten by an ugly dog. A single blow of a heavy stick, skillfully aimed, was sufficient to kill the animal instantly; but the enraged pedestrian still continued to pummel the corpse till little vestige of canine form remained. At length he was accosted with, "What are you about? That dog has been dead these ten minutes." "I know it," was the reply; "but I want to give the beast a realizing sense that there is a punishment after death."

☞ A witness in court who had been cautioned to give a precise answer to every question, and not talk about what he might think the question meant, was interrogated as follows: "You drive a wagon?" "No, sir, I do not." "Why, sir, did you not tell my learned friend so this moment?" "No, sir, I did not." "Now, sir, I put it to you on your oath; do you drive a wagon?" "No, sir." "What is your occupation, then?" "I drive a horse."

☞ An attendant at Mount Vernon not long observed a lady weeping most bitterly, her handkerchief to her eyes. Going up to her, he said, "Are you in trouble, madam?" "No, sir," she sobbed. "I saw you weeping." "Ah," she said, "how can one help weeping at the grave of the Father of the Country?" "Oh, indeed, madam," said he, "that's it. The tomb's over yonder. This is the ice house."

☞ A colored man was once asked why he did not get married. "Why, you see, sah," said he, "I got an ole mudder, and I had to do for her, ye see, sah, an' ef I didn't buy her shoes an' stockin's she wouldn't get none. Now ef I was to git married, I'd hab to buy dem tings fur my wife, and dat 'ud be taking de shoes and stockings right or my ole mudder's muf."

☞ "Madam," said a husband to his young wife in a little altercation, which will spring up in the best regulated families, "when a man and his wife have quarreled, and each considers the other at fault, which of the two ought to advance toward reconciliation?" "The best natured and wiser of the two," said the wife putting up her mouth for a kiss, which was given with unction.

☞ Two neighbors living in Westchester county, had a long and envenomed litigation about a small spring, which they both claimed. The Judge, wearied out with the case, at last said: "What is the use of making so much fuss about a little water?" "Your honor will see the use of it," replied one of the lawyers, "when I inform you that the parties are both milkmen!" The roar of laughter which followed proved that the entire audience saw the point.

☞ A party of men animatedly engaged in discussing politics before a country store, attracted the attention of an aged agriculturist. "There's sumthin' the matter here," he observed to his wife; and, drawing in his team, he lightly shouted to a consumptive individual on the outskirts, "What's afoot?" "Twelve inches," was the sardonic reply. The ag-d agriculturist swore some and drove on.

☞ There never was a wit at the bar so ready as Curran. Upon one occasion he had laid down some points which did not find favor in the eyes of the presiding Judge. "If that be the law," said Lord Clare to Curran, "I may as well burn my books." "Better read them, my lord," replied Curran.

☞ "Are you not alarmed at the approach of the king of terrors?" said a minister to a sick man. "Oh, no; I have been living six and thirty years with the queen of terrors—the king cannot be much worse."

☞ An old sailor, who had a great aversion to life on land, said he was like a lobster, as he never came ashore without the risk of getting in hot water.

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